

# Converting Colors

XYZ(71.2095, 67.9132, 87.4586)

Have a look what the booklet for  
XYZ(71.2095, 67.9132, 87.4586)  
contains.

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# Color

**XYZ(71.1835, 67.7453,  
87.1663)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBCEEA
RGB	235, 206, 234
RGB Percent	92%, 81%, 92%
CMY	0.0784, 0.1921, 0.0823
CMYK	0.00, 0.12, 0.00, 0.08
HSL	302°, 42%, 86%
HSV	302°, 12%, 92%
XYZ	71.1835, 67.7453, 87.1663
YIQ	217.8630, 8.2960, 14.8560

# Conversions

## Conversions Part 2

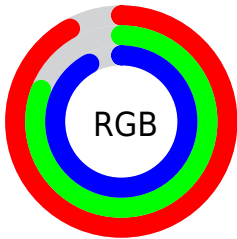
Format	Color
R <sub>Y</sub> B	235, 206, 234
Decimal	15453930
CIE Lab	85.88, 14.93, -10.05
CIE LCh	86, 17.999, 326.048
Yxy	67.7453, 0.3148, 0.2996
Android (android.graphics.Color)	4293644010 (0xFFEBCEEA)
YUV	217.8630, 7.9555, 15.0291
Hunter-Lab	82.3075, 10.3372, -5.1747

# Details

The XYZ color **71.1835, 67.7453, 87.1663** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **66.4270, 77.0453, 70.4051**, and the grayscale version is **66.4908, 69.9535, 76.1793**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.8545, 35.2545, 46.9291** is the 20% darker color. If you saturate the color by 10%, you get **65.8283, 57.2198, 84.8089**, and if you desaturate by 10%, it is **77.3890, 79.9685, 89.8114**.

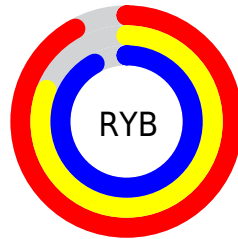
# Distribution



Red (92%)

Green (81%)

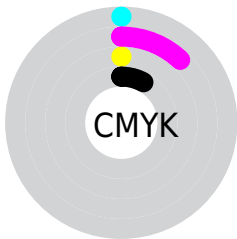
Blue (92%)



Red (92%)

Yellow (81%)

Blue (92%)

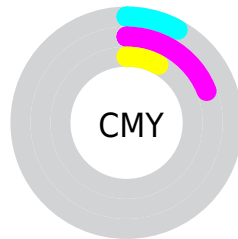


Cyan (0%)

Magenta (12%)

Yellow (0%)

Black (8%)



Cyan (8%)

Magenta (19%)

Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.1835, 67.7453, 87.1663 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 71.1835, 67.7453, 87.1663 by changing the saturation by 10% instead.



71.1835, 67.7453,  
87.1663

71.1835, 67.7453,  
87.1663

453.8965,  
452.5931, 539.0996

52.7750, 49.6906,  
65.0724

119.9121,  
115.9877, 145.2968

37.8500, 35.1676,  
47.0681

150.9629,  
146.9441, 182.1706

26.0429, 23.7920,  
32.7348

186.9585,  
182.9699, 224.8080

16.9886, 15.1794,  
21.6539

228.2643,  
224.4495, 273.6277

10.3216, 8.9454,  
13.4069

275.2457,  
271.7672, 329.0481

5.6766, 4.7056,  
7.5753

328.2679,

2.6882, 2.0756,

325.3074, 391.4879

3.7406

387.6964,  
385.4546, 461.3655

■ 0.9911, 0.6508,  
1.4841

■ 0.0000, 0.0000,  
0.2061

■ 71.1835, 67.7453,  
87.1663

■ 71.1835, 67.7453,  
87.1663

■ 65.8283, 57.2198,  
84.8089

■ 77.3890, 79.9685,  
89.8114

■ 61.2800, 48.3083,  
82.7222

■ 84.4740, 93.9508,  
92.7515

■ 57.5005, 40.9334,  
80.8944

■ 85.2247, 95.2637,  
93.5828

■ 54.4460, 35.0078,  
79.3110

■ 85.3430, 95.3110,  
94.2060

52.0685, 30.4353,  
77.9558

85.4619, 95.3586,  
94.8319

50.3142, 27.1084,  
76.8109

85.5813, 95.4064,  
95.4607

49.1211, 24.9031,  
75.8557

85.7012, 95.4543,  
96.0924

48.4145, 23.6698,  
75.0653

85.8217, 95.5025,  
96.7268

48.1123, 23.2028,  
74.5412

85.9427, 95.5509,  
97.3641

# Harmonies

## Analogous

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



67.9297, 67.7453, 96.0689



71.1835, 67.7453, 87.1663



72.6162, 67.7453, 75.3372

# Triad

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



71.1835, 67.7453, 87.1663



64.9372, 67.7453, 53.3750



57.5351, 67.7453, 84.1752

# Complementary

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



71.1835, 67.7453, 87.1663



66.4270, 77.0453, 70.4051

# 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.



56.8095, 67.7453, 72.2111



71.1835, 67.7453, 87.1663



60.9753, 67.7453, 55.2085

# Square

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



71.1835, 67.7453, 87.1663



68.9140, 67.7453, 56.5070



58.0429, 67.7453, 61.8095



60.0682, 67.7453, 94.2169



# Rectangle

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



71.1835, 67.7453, 87.1663



72.3028, 67.7453, 67.6706



58.0429, 67.7453, 61.8095



57.0765, 67.7453, 80.2108

# Sweetspot

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



71.1855, 67.7482, 87.1678



91.8253, 93.6412, 107.5460



62.7925, 63.4049, 87.5271



19.5287, 19.7953, 22.9661



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.



71.1855, 67.7482, 87.1678



83.8268, 77.8922, 104.1148



69.1910, 66.9504, 76.6650



15.6911, 15.3043, 18.9244



26.7866, 12.9173, 41.5392



2.1104, 1.0171, 3.2990



# Inverse Universe

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



71.1855, 67.7482, 87.1678



83.8268, 77.8922, 104.1148



68.2777, 77.7856, 80.1508



15.6911, 15.3043, 18.9244



26.7866, 12.9173, 41.5392

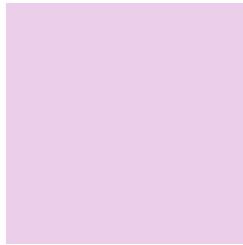


2.1104, 1.0171, 3.2990



# Previews

## White Background



This preview shows how the XYZ color 71.1835, 67.7453, 87.1663 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

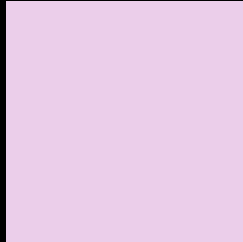
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.1835, 67.7453, 87.1663 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

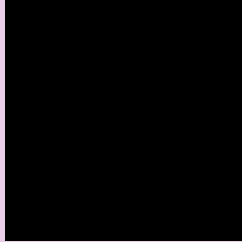
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 71.1835, 67.7453, 87.1663**

## **Background**



This preview shows how black text looks on a background with the XYZ color 71.1835, 67.7453, 87.1663.



This preview shows how white text looks on a background with the XYZ color 71.1835, 67.7453,



# 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

71.1835, 67.7453, 87.1663

### Protanopia

66.5256, 67.8175, 91.2452

### Deuteranopia

69.1870, 67.8150, 86.5339



## Tritanopia

69.9421, 67.9860, 79.9573

# Trichromacy



## Original Color

71.1835, 67.7453, 87.1663

## Protanomaly

67.8479, 67.4233, 89.5588

## Deuteranomaly

69.8970, 67.8179, 86.4970

## Tritanomaly

70.2481, 67.7195, 82.7675

# Monochromacy



## Original Color

71.1835, 67.7453, 87.1663

## Achromatopsia

66.6397, 70.1102, 76.3500

## Achromatomaly

68.2416, 69.3222, 80.3048

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.1835, 67.7453, 87.1663 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(235, 206, 234)` looks like.

```
.text, #text, p{  
    color:rgb(235, 206, 234)  
}
```

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(235, 206, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 206, 234) }
```

## Border

The CSS property to change the border of an element to XYZ 71.1835, 67.7453, 87.1663 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(235, 206, 234) }
```



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

```
.border{ border-color:rgb(235, 206, 234) }
```

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

Here you see how a box with a 4 pixel rgb(235, 206, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 206, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 206, 234);  
box-shadow:4px 4px 4px 4px rgb(235, 206,  
234) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.1835, 67.7453, 87.1663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 206, 234) }
```

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

```
.background{ background-color: rgb(235,  
206, 234) }
```

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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