

Converting Colors

XYZ(83.4492, 70.4448, 87.7442)

Have a look what the booklet for
XYZ(83.4492, 70.4448, 87.7442)
contains.

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Color

**XYZ(75.9753, 66.7380,
87.4747)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC4EB
RGB	255, 196, 235
RGB Percent	100%, 77%, 92%
CMY	0.0000, 0.2313, 0.0784
CMYK	0.00, 0.23, 0.08, 0.00
HSL	320°, 100%, 88%
HSV	320°, 23%, 100%
XYZ	75.9753, 66.7380, 87.4747
YIQ	218.0870, 22.6450, 24.6370

Conversions

Conversions Part 2

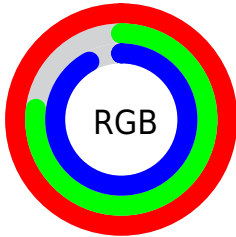
Format	Color
R _Y B	255, 196, 235
Decimal	16762091
CIE Lab	85.37, 27.09, -11.15
CIE LCh	85, 29.290, 337.632
Yxy	66.7380, 0.3301, 0.2899
Android (android.graphics.Color)	4294952171 (0xFFFFC4EB)
YUV	218.0870, 8.3381, 32.3727
Hunter-Lab	81.6933, 23.0428, -6.3006

Details

The XYZ color **75.9753, 66.7380, 87.4747** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **70.9218, 88.2147, 78.2580**, and the grayscale version is **66.6353, 70.1056, 76.3450**.

A 20% lighter version of the original color is **94.4153, 98.7306, 108.6884**, and **41.0984, 34.6064, 47.1614** is the 20% darker color. If you saturate the color by 10%, you get **69.4863, 55.7101, 79.2994**, and if you desaturate by 10%, it is **83.5056, 79.7506, 96.2983**.

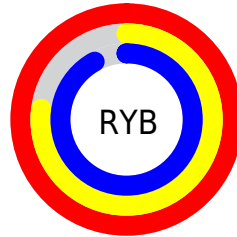
Distribution



Red (100%)

Green (77%)

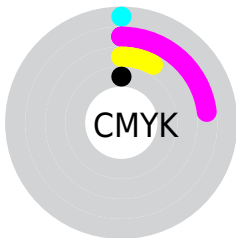
Blue (92%)



Red (100%)

Yellow (77%)

Blue (92%)

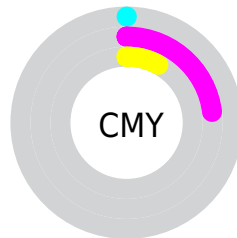


Cyan (0%)

Magenta (23%)

Yellow (8%)

Black (0%)



Cyan (0%)

Magenta (23%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 75.9753, 66.7380, 87.4747 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 75.9753, 66.7380, 87.4747 by changing the saturation by 10% instead.

75.9753, 66.7380,
87.4747

75.9753, 66.7380,
87.4747

470.2088,
449.0116, 540.1381

56.7092, 48.8717,
65.3263

126.6725,
114.5449, 145.7303

41.0111, 34.5177,
47.2727

158.8344,
145.2544, 182.6745

28.5154, 23.2916,
32.8954

196.0256,
181.0136, 225.3878

18.8570, 14.8090,
21.7758

238.6115,
222.2072, 274.2886

11.6704, 8.6854,
13.4955

286.9574,
269.2193, 329.7955

6.5903, 4.5366,
7.6359

341.4287,

3.2512, 1.9780,

322.4345, 392.3270

3.7785

402.3907,
382.2372, 462.3017

■ 1.2880, 0.5947,
1.5046

■ 0.1742, 0.0000,
0.2214

■ 75.9753, 66.7380,
87.4747

■ 75.9753, 66.7380,
87.4747

■ 69.4863, 55.7101,
79.2994

■ 83.5056, 79.7506,
96.2983

■ 63.9836, 46.5595,
71.7472

■ 92.1193, 94.8318,
105.7858

■ 59.4143, 39.1812,
64.7971

95.0500, 100.0000,
108.9000

■ 55.7182, 33.4564,
58.4247

■ 52.8279, 29.2517,
52.6029

■ 50.6654, 26.4127,
47.3013

■ 49.1363, 24.7519,
42.4835

■ 48.3598, 24.1079,
39.4225

Harmonies

Analogous

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



71.5444, 66.7380, 105.6084



75.9753, 66.7380, 87.4747



76.9344, 66.7380, 67.9217

Triad

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



75.9753, 66.7380, 87.4747



61.7534, 66.7380, 42.1383



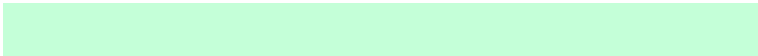
53.8569, 66.7380, 97.3332

Complementary

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



75.9753, 66.7380, 87.4747



70.9218, 88.2147, 78.2580

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.



51.6106, 66.7380, 77.6270



75.9753, 66.7380, 87.4747



55.9581, 66.7380, 47.4040

Square

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



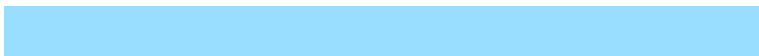
75.9753, 66.7380, 87.4747



68.4118, 66.7380, 43.8474



52.3522, 66.7380, 59.6313



58.7008, 66.7380, 111.9567

Rectangle

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



75.9753, 66.7380, 87.4747



75.4183, 66.7380, 57.0055



52.3522, 66.7380, 59.6313



52.7890, 66.7380, 90.9610

Sweetspot

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



75.9768, 66.7408, 87.4761



88.6586, 88.7516, 102.0388



66.0129, 61.2513, 102.9512



18.8641, 18.7994, 21.7172



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.



75.9768, 66.7408, 87.4761



72.6925, 61.1330, 83.4187



72.1022, 65.1909, 67.0725



18.5156, 18.1896, 21.3324



25.3417, 12.6260, 20.9815



2.5185, 1.2498, 2.3121

Inverse Universe

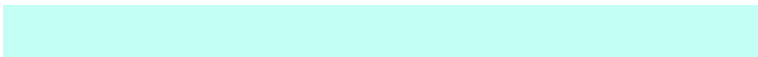
The Inverse Universe completely reimagines the original color for something new.



75.9768, 66.7408, 87.4761



72.6925, 61.1330, 83.4187



75.0335, 89.8594, 99.9104



18.5156, 18.1896, 21.3324



25.3417, 12.6260, 20.9815



2.5185, 1.2498, 2.3121

Previews

White Background



This preview shows how the XYZ color 75.9753, 66.7380, 87.4747 looks on a white background.

Color Contrast Check

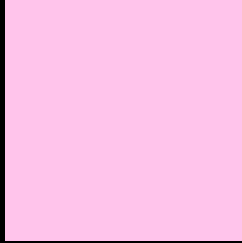
Large Text (above 18pt) WCAG AA × Fail

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 75.9753, 66.7380, 87.4747 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 75.9753, 66.7380, 87.4747

Background



This preview shows how black text looks on a background with the XYZ color 75.9753, 66.7380, 87.4747.



This preview shows how white text looks on a background with the XYZ color 75.9753, 66.7380,

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

75.9753, 66.7380, 87.4747

Protanopia

66.0373, 67.0894, 95.8552

Deuteranopia

68.6279, 67.1637, 86.4376



Tritanopia

72.8340, 66.4486, 73.2771

Trichromacy



Original Color

75.9753, 66.7380, 87.4747

Protanomaly

68.9998, 66.5010, 92.4184

Deuteranomaly

71.3692, 67.1308, 87.0379

Tritanomaly

73.8869, 66.5447, 78.0574

Monochromacy



Original Color

75.9753, 66.7380, 87.4747

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

69.4561, 68.4639, 80.0751

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.9753, 66.7380, 87.4747 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, 196, 235)` looks like.

```
.text, #text, p{  
    color:rgb(255, 196, 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, 196, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 196, 235) }
```

Border

The CSS property to change the border of an element to XYZ 75.9753, 66.7380, 87.4747 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, 196, 235) }
```


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

```
.border{ border-color:rgb(255, 196, 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, 196, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 196, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 196, 235);  
box-shadow:4px 4px 4px 4px rgb(255, 196,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 75.9753, 66.7380, 87.4747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 196, 235) }
```

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

```
.background{ background-color: rgb(255,  
196, 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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