

Converting Colors

XYZ(72.3417, 67.4301, 86.9667)

Have a look what the booklet for
XYZ(72.3417, 67.4301, 86.9667)
contains.

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Color

**XYZ(72.1424, 67.1777,
87.0062)**

Conversions

Conversions Part 1

Format	Color
Hex	F0CBEA
RGB	240, 203, 234
RGB Percent	94%, 80%, 92%
CMY	0.0588, 0.2039, 0.0823
CMYK	0.00, 0.15, 0.02, 0.06
HSL	310°, 55%, 87%
HSV	310°, 15%, 94%
XYZ	72.1424, 67.1777, 87.0062
YIQ	217.5970, 12.1010, 17.4850

Conversions

Conversions Part 2

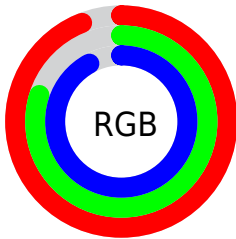
Format	Color
R _Y B	240, 203, 234
Decimal	15780842
CIE Lab	85.59, 18.19, -10.43
CIE LCh	86, 20.969, 330.168
Yxy	67.1777, 0.3188, 0.2968
Android (android.graphics.Color)	4293970922 (0xFFFF0CBEA)
YUV	217.5970, 8.0867, 19.6474
Hunter-Lab	81.9620, 13.6810, -5.5655

Details

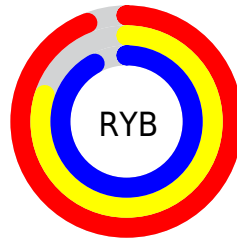
The XYZ color **72.1424, 67.1777, 87.0062** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **67.2999, 79.6220, 72.1468**, and the grayscale version is **66.3051, 69.7582, 75.9667**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.5505, 34.8996, 46.8239** is the 20% darker color. If you saturate the color by 10%, you get **66.3551, 56.4872, 82.3490**, and if you desaturate by 10%, it is **78.8233, 79.6336, 92.0235**.

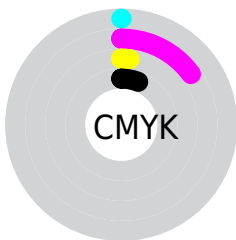
Distribution



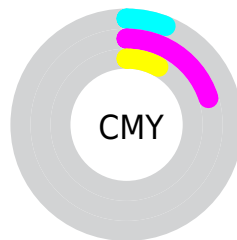
- Red (94%)
- Green (80%)
- Blue (92%)



- Red (94%)
- Yellow (80%)
- Blue (92%)



- Cyan (0%)
- Magenta (15%)
- Yellow (2%)
- Black (6%)



- Cyan (6%)
- Magenta (20%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.1424, 67.1777, 87.0062 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 72.1424, 67.1777, 87.0062 by changing the saturation by 10% instead.

72.1424, 67.1777,
87.0062

72.1424, 67.1777,
87.0062

457.1870,
450.5770, 538.5600

53.5609, 49.2291,
64.9407

121.2687,
115.1750, 145.0717

38.4800, 34.8012,
46.9619

152.5441,
145.9924, 181.9088

26.5343, 23.5098,
32.6514

188.7816,
181.8683, 224.5068

17.3586, 14.9704,
21.5906

230.3465,
223.1869, 273.2844

10.5874, 8.7986,
13.3610

277.6042,
270.3327, 328.6599

5.8553, 4.6101,
7.5439

330.9199,

2.7971, 2.0203,

323.6900, 391.0520

3.7210

390.6590,
383.6433, 460.8792

■ 1.0474, 0.6192,
1.4736

■ 0.0000, 0.0000,
0.1981

■ 72.1424, 67.1777,
87.0062

■ 72.1424, 67.1777,
87.0062

■ 66.3551, 56.4872,
82.3490

■ 78.8233, 79.6336,
92.0235

■ 61.4151, 47.4729,
78.0337

■ 86.4296, 93.9215,
97.4094

■ 57.2810, 40.0508,
74.0468

■ 88.2809, 96.6796,
100.9384

■ 53.9054, 34.1266,
70.3723

■ 88.8837, 96.9207,
104.1129

■ 51.2359, 29.5954,
66.9922

■ 89.4992, 97.1669,
107.3538

■ 49.2135, 26.3394,
63.8865

■ 89.7456, 97.2655,
108.6518

■ 47.7693, 24.2208,
61.0318

■ 46.8185, 23.0702,
58.3993

■ 46.4874, 22.7462,
57.2465

Harmonies

Analogous

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



68.5717, 67.1777, 98.2874



72.1424, 67.1777, 87.0062



73.4689, 67.1777, 73.0679

Triad

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



72.1424, 67.1777, 87.0062



63.8234, 67.1777, 49.8955



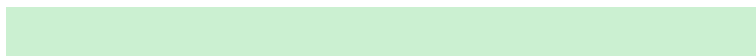
56.2442, 67.1777, 87.1565

Complementary

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



72.1424, 67.1777, 87.0062



67.2999, 79.6220, 72.1468

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.



55.1103, 67.1777, 73.2223



72.1424, 67.1777, 87.0062



59.3509, 67.1777, 52.7037

Square

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



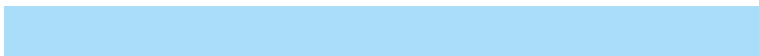
72.1424, 67.1777, 87.0062



68.5227, 67.1777, 52.6417



56.2194, 67.1777, 60.8403



59.3954, 67.1777, 98.3815

Rectangle

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



72.1424, 67.1777, 87.0062



72.8531, 67.1777, 64.4568



56.2194, 67.1777, 60.8403



55.6217, 67.1777, 82.5811

Sweetspot

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



72.1444, 67.1806, 87.0076



90.7854, 92.0007, 105.8449



63.2544, 62.4964, 91.1683



19.3082, 19.4605, 22.5651



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.



72.1444, 67.1806, 87.0076



80.9394, 73.6598, 98.3979



69.6816, 66.1955, 74.0391



16.3377, 15.9848, 19.3346



25.4895, 12.4682, 31.5580



2.1496, 1.0489, 2.7787

Inverse Universe

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



72.1444, 67.1806, 87.0076



80.9394, 73.6598, 98.3979



69.6630, 80.5672, 84.5907



16.3377, 15.9848, 19.3346



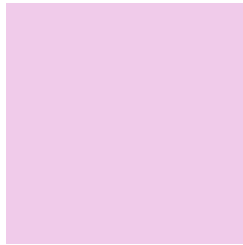
25.4895, 12.4682, 31.5580



2.1496, 1.0489, 2.7787

Previews

White Background



This preview shows how the XYZ color 72.1424, 67.1777, 87.0062 looks on a white background.

Color Contrast Check

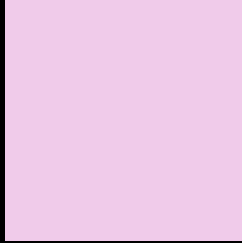
Large Text (above 18pt) WCAG AA × Fail

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 72.1424, 67.1777, 87.0062 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 72.1424, 67.1777, 87.0062

Background



This preview shows how black text looks on a background with the XYZ color 72.1424, 67.1777, 87.0062.



This preview shows how white text looks on a background with the XYZ color 72.1424, 67.1777,

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

72.1424, 67.1777, 87.0062

Protanopia

66.1008, 67.5814, 91.9987

Deuteranopia

68.6279, 67.1637, 86.4376



Tritanopia

70.1424, 67.0602, 77.6536

Trichromacy



Original Color

72.1424, 67.1777, 87.0062

Protanomaly

68.0519, 67.1461, 90.2627

Deuteranomaly

69.7343, 67.0147, 86.3505

Tritanomaly

70.9169, 67.0274, 81.1514

Monochromacy



Original Color

72.1424, 67.1777, 87.0062

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

68.6128, 69.1391, 80.2499

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.1424, 67.1777, 87.0062 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(240, 203, 234)` looks like.

```
.text, #text, p{  
    color:rgb(240, 203, 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(240, 203, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 203, 234) }
```

Border

The CSS property to change the border of an element to XYZ 72.1424, 67.1777, 87.0062 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(240, 203, 234) }
```


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

```
.border{ border-color:rgb(240, 203, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 203, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 203, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 203, 234);  
box-shadow:4px 4px 4px 4px rgb(240, 203,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 72.1424, 67.1777, 87.0062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 203, 234) }
```

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

```
.background{ background-color: rgb(240,  
203, 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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