

Converting Colors

XYZ(72.1459, 66.7135, 87.7049)

Have a look what the booklet for
XYZ(72.1459, 66.7135, 87.7049)
contains.

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Color

**XYZ(72.0511, 66.7645,
87.6866)**

Conversions

Conversions Part 1

Format	Color
Hex	F0CAEB
RGB	240, 202, 235
RGB Percent	94%, 79%, 92%
CMY	0.0588, 0.2078, 0.0784
CMYK	0.00, 0.16, 0.02, 0.06
HSL	308°, 56%, 87%
HSV	308°, 16%, 94%
XYZ	72.0511, 66.7645, 87.6866
YIQ	217.1240, 12.0550, 18.3190

Conversions

Conversions Part 2

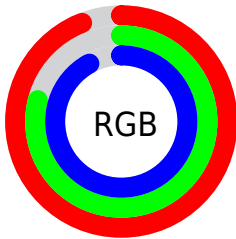
Format	Color
R _Y B	240, 202, 235
Decimal	15780587
CIE Lab	85.38, 18.90, -11.27
CIE LCh	85, 22.005, 329.182
Yxy	66.7645, 0.3181, 0.2948
Android (android.graphics.Color)	4293970667 (0xFFFF0CAEB)
YUV	217.1240, 8.8129, 20.0623
Hunter-Lab	81.7095, 14.4088, -6.4304

Details

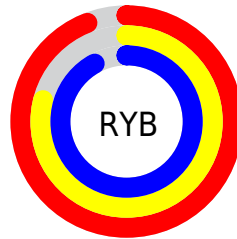
The XYZ color **72.0511, 66.7645, 87.6866** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **66.7823, 79.3836, 70.8379**, and the grayscale version is **65.9757, 69.4116, 75.5892**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.4938, 34.6248, 47.3022** is the 20% darker color. If you saturate the color by 10%, you get **66.4003, 56.1857, 83.5723**, and if you desaturate by 10%, it is **78.5896, 79.1038, 92.1384**.

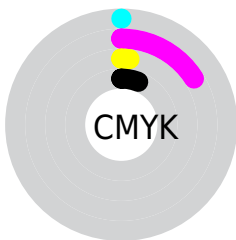
Distribution



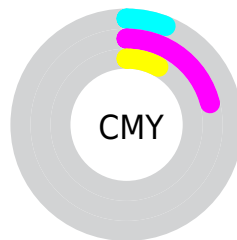
- Red (94%)
- Green (79%)
- Blue (92%)



- Red (94%)
- Yellow (79%)
- Blue (92%)



- Cyan (0%)
- Magenta (16%)
- Yellow (2%)
- Black (6%)



- Cyan (6%)
- Magenta (21%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.0511, 66.7645, 87.6866 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 72.0511, 66.7645, 87.6866 by changing the saturation by 10% instead.

72.0511, 66.7645,
87.6866

72.0511, 66.7645,
87.6866

456.8743,
449.1060, 540.8511

53.4860, 48.8933,
65.5007

121.1396,
114.5829, 146.0281

38.4199, 34.5348,
47.4133

152.3937,
145.2989, 183.0207

26.4875, 23.3048,
33.0058

188.6082,
181.0652, 225.7860

17.3233, 14.8187,
21.8597

230.1485,
222.2663, 274.7424

10.5620, 8.6922,
13.5565

277.3799,
269.2865, 330.3086

5.8382, 4.5410,
7.6777

330.6678,

2.7867, 1.9806,

322.5103, 392.9031

3.8046

390.3775,
382.3220, 462.9444

■ 1.0420, 0.5961,
1.5188

■ 0.0000, 0.0000,
0.2318

■ 72.0511, 66.7645,
87.6866

■ 72.0511, 66.7645,
87.6866

■ 66.4003, 56.1857,
83.5723

■ 78.5896, 79.1038,
92.1384

■ 61.5910, 47.2780,
79.7775

■ 86.0478, 93.2702,
96.9361

■ 57.5815, 39.9572,
76.2888

■ 88.0972, 96.6061,
99.9712

■ 54.3244, 34.1283,
73.0903

■ 88.5823, 96.8002,
102.5255

51.7671, 29.6864,
70.1642

89.0756, 96.9975,
105.1233

49.8503, 26.5126,
67.4906

89.5772, 97.1981,
107.7649

48.5045, 24.4685,
65.0460

89.7457, 97.2655,
108.6518

47.6441, 23.3826,
62.8018

47.3723, 23.1002,
61.9066

Harmonies

Analogous

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



68.2472, 66.7645, 99.3949



72.0511, 66.7645, 87.6866



73.5333, 66.7645, 73.0880

Triad

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



72.0511, 66.7645, 87.6866



63.5947, 66.7645, 48.5549



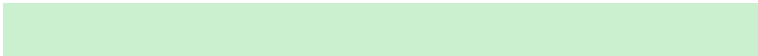
55.4510, 66.7645, 86.9192

Complementary

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



72.0511, 66.7645, 87.6866



66.7823, 79.3836, 70.8379

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.



54.3472, 66.7645, 72.3038



72.0511, 66.7645, 87.6866



58.8976, 66.7645, 51.2641

Square

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



72.0511, 66.7645, 87.6866



68.4965, 66.7645, 51.5754



55.5762, 66.7645, 59.5179



58.6722, 66.7645, 98.9126

Rectangle

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



72.0511, 66.7645, 87.6866



72.9488, 66.7645, 64.0430



55.5762, 66.7645, 59.5179



54.8277, 66.7645, 82.0936

Sweetspot

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



72.0531, 66.7674, 87.6880



90.8476, 92.0256, 106.1723



62.4257, 61.7197, 91.0621



19.3233, 19.4665, 22.6449



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.



72.0531, 66.7674, 87.6880



80.4843, 72.4840, 99.0643



69.5261, 65.7566, 74.3811



16.3595, 15.9935, 19.4495



25.9676, 12.6595, 34.0758



2.1849, 1.0630, 2.9646

Inverse Universe

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



72.0531, 66.7674, 87.6880



80.4843, 72.4840, 99.0643



69.1694, 80.3384, 83.4079



16.3595, 15.9935, 19.4495



25.9676, 12.6595, 34.0758



2.1849, 1.0630, 2.9646

Previews

White Background



This preview shows how the XYZ color 72.0511, 66.7645, 87.6866 looks on a white background.

Color Contrast Check

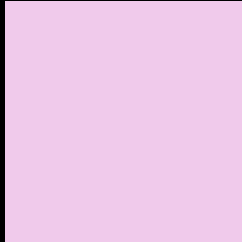
Large Text (above 18pt) WCAG AA × Fail

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 72.0511, 66.7645, 87.6866 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

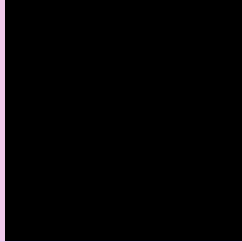
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 72.0511, 66.7645, 87.6866

Background



This preview shows how black text looks on a background with the XYZ color 72.0511, 66.7645, 87.6866.



This preview shows how white text looks on a background with the XYZ color 72.0511, 66.7645,

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

72.0511, 66.7645, 87.6866

Protanopia

65.7152, 66.9932, 92.6865

Deuteranopia

68.4585, 67.0598, 87.1776



Tritanopia

69.7710, 66.5302, 76.8744

Trichromacy



Original Color

72.0511, 66.7645, 87.6866

Protanomaly

67.6511, 66.5594, 90.9430

Deuteranomaly

69.5557, 66.9061, 87.0901

Tritanomaly

70.5431, 66.4988, 80.3517

Monochromacy



Original Color

72.0511, 66.7645, 87.6866

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

68.0494, 68.4763, 80.1517

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.0511, 66.7645, 87.6866 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, 202, 235)` looks like.

```
.text, #text, p{  
    color:rgb(240, 202, 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(240, 202, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 202, 235) }
```

Border

The CSS property to change the border of an element to XYZ 72.0511, 66.7645, 87.6866 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, 202, 235) }
```


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

```
.border{ border-color:rgb(240, 202, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 202, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(240, 202, 235); -webkit-box-shadow:4px 4px 4px 4px rgb(240, 202, 235); box-shadow:4px 4px 4px 4px rgb(240, 202, 235) }
```

Background

The CSS property to change the background color of an element to XYZ 72.0511, 66.7645, 87.6866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 202, 235) }
```

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

```
.background{ background-color: rgb(240,  
202, 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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