

Converting Colors

XYZ(72.3629, 66.6312, 86.3843)

Have a look what the booklet for
XYZ(72.3629, 66.6312, 86.3843)
contains.

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Color

**XYZ(72.2126, 66.5337,
86.1271)**

Conversions

Conversions Part 1

Format	Color
Hex	F2C9E9
RGB	242, 201, 233
RGB Percent	95%, 79%, 91%
CMY	0.0510, 0.2117, 0.0863
CMYK	0.00, 0.17, 0.04, 0.05
HSL	313°, 61%, 87%
HSV	313°, 17%, 95%
XYZ	72.2126, 66.5337, 86.1271
YIQ	216.9070, 14.1640, 18.6440

Conversions

Conversions Part 2

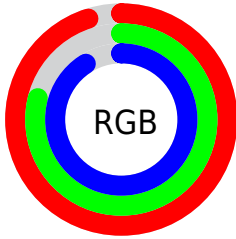
Format	Color
R_{YB}	242, 201, 233
Decimal	15911401
CIE _{Lab}	85.27, 19.74, -10.37
CIE _{LCh}	85, 22.298, 332.299
Yxy	66.5337, 0.3211, 0.2959
Android (android.graphics.Color)	4294101481 (0xFFFF2C9E9)
YUV	216.9070, 7.9338, 22.0066
Hunter-Lab	81.5682, 15.2823, -5.5060

Details

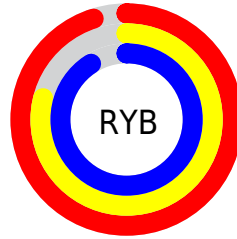
The XYZ color **72.2126, 66.5337, 86.1271** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **67.4750, 80.5769, 72.9730**, and the grayscale version is **65.8319, 69.2603, 75.4244**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.6192, 34.4809, 46.2150** is the 20% darker color. If you saturate the color by 10%, you get **66.2626, 55.8291, 80.4559**, and if you desaturate by 10%, it is **79.0781, 79.0307, 92.2177**.

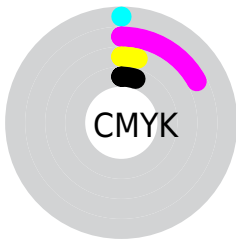
Distribution



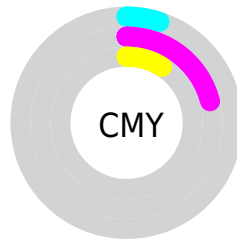
- Red (95%)
- Green (79%)
- Blue (91%)



- Red (95%)
- Yellow (79%)
- Blue (91%)



- Cyan (0%)
- Magenta (17%)
- Yellow (4%)
- Black (5%)



- Cyan (5%)
- Magenta (21%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.2126, 66.5337, 86.1271 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 72.2126, 66.5337, 86.1271 by changing the saturation by 10% instead.

72.2126, 66.5337,
86.1271

72.2126, 66.5337,
86.1271

457.4274,
448.2832, 535.5918

53.6184, 48.7058,
64.2176

121.3679,
114.2520, 143.8350

38.5262, 34.3861,
46.3796

152.6598,
144.9112, 180.4704

26.5704, 23.1904,
32.1947

188.9149,
180.6162, 222.8515

17.3857, 14.7342,
21.2442

230.4987,
221.7515, 271.3969

10.6069, 8.6330,
13.1096

277.7765,
268.7014, 326.5251

5.8685, 4.5026,
7.3725

331.1137,

2.8052, 1.9585,

321.8504, 388.6546

3.6142

390.8755,
381.5829, 458.2040

■ 1.0516, 0.5832,
1.4161

■ 0.0000, 0.0000,
0.1543

■ 72.2126, 66.5337,
86.1271

■ 72.2126, 66.5337,
86.1271

■ 66.2626, 55.8291,
80.4559

■ 79.0781, 79.0307,
92.2177

■ 61.1804, 46.8250,
75.1851

■ 86.8923, 93.3890,
98.7375

■ 56.9231, 39.4347,
70.3000

■ 89.4680, 97.2333,
103.6258

■ 53.4416, 33.5603,
65.7832

■ 90.3084, 97.5695,
108.0513

■ 50.6812, 29.0930,
61.6156

■ 90.4285, 97.6175,
108.6837

■ 48.5804, 25.9098,
57.7756

■ 47.0667, 23.8663,
54.2380

■ 46.0477, 22.7778,
50.9709

■ 45.7900, 22.5461,
50.0103

Harmonies

Analogous

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



68.5592, 66.5337, 98.5278



72.2126, 66.5337, 86.1271



73.4243, 66.5337, 71.3363

Triad

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



72.2126, 66.5337, 86.1271



62.8504, 66.5337, 48.0997



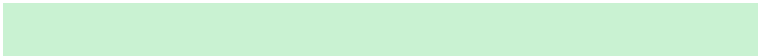
55.3952, 66.5337, 88.3092

Complementary

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



72.2126, 66.5337, 86.1271



67.4750, 80.5769, 72.9730

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.



54.0408, 66.5337, 73.5628



72.2126, 66.5337, 86.1271



58.2000, 66.5337, 51.4249

Square

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



72.2126, 66.5337, 86.1271



67.8512, 66.5337, 50.5441



55.0401, 66.5337, 60.2926



58.8394, 66.5337, 99.9007

Rectangle

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



72.2126, 66.5337, 86.1271



72.6352, 66.5337, 62.4148



55.0401, 66.5337, 60.2926



54.6890, 66.5337, 83.4936

Sweetspot

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



72.2146, 66.5366, 86.1285



90.6691, 91.9542, 105.2326



63.4616, 61.8719, 92.6033



19.2798, 19.4491, 22.4159



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.



72.2146, 66.5366, 86.1285



79.1322, 70.9655, 94.9586



69.4686, 65.4382, 71.6683



16.2970, 15.9685, 19.1204



24.6516, 12.1331, 27.1457



2.0871, 1.0239, 2.4493

Inverse Universe

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



72.2146, 66.5366, 86.1285



79.1322, 70.9655, 94.9586



70.1787, 81.6583, 87.2102



16.2970, 15.9685, 19.1204



24.6516, 12.1331, 27.1457



2.0871, 1.0239, 2.4493

Previews

White Background



This preview shows how the XYZ color 72.2126, 66.5337, 86.1271 looks on a white background.

Color Contrast Check

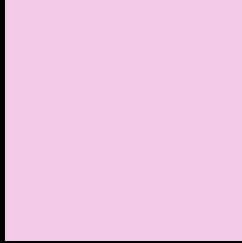
Large Text (above 18pt) WCAG AA × Fail

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 72.2126, 66.5337, 86.1271 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

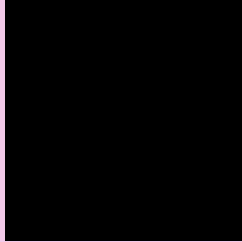
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 72.2126, 66.5337, 86.1271

Background



This preview shows how black text looks on a background with the XYZ color 72.2126, 66.5337, 86.1271.



This preview shows how white text looks on a background with the XYZ color 72.2126, 66.5337,

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

72.2126, 66.5337, 86.1271

Protanopia

65.5662, 66.9335, 91.9018

Deuteranopia

67.9296, 66.4594, 85.5916



Tritanopia

70.0773, 66.3516, 76.1315

Trichromacy



Original Color

72.2126, 66.5337, 86.1271

Protanomaly

67.6607, 66.5983, 89.4094

Deuteranomaly

69.3518, 66.4778, 85.5202

Tritanomaly

70.8507, 66.3237, 79.5885

Monochromacy



Original Color

72.2126, 66.5337, 86.1271

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

67.9776, 68.0850, 79.3710

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.2126, 66.5337, 86.1271 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, 201, 233)` looks like.

```
.text, #text, p{  
    color:rgb(242, 201, 233)  
}
```

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, 201, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 201, 233) }
```

Border

The CSS property to change the border of an element to XYZ 72.2126, 66.5337, 86.1271 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, 201, 233) }
```


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

```
.border{ border-color:rgb(242, 201, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 201, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 201, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 201, 233);  
box-shadow:4px 4px 4px 4px rgb(242, 201,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 72.2126, 66.5337, 86.1271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 201, 233) }
```

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

```
.background{ background-color: rgb(242,  
201, 233) }
```

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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