

Converting Colors

XYZ(108.2330, 72.7272,
291.1820)

Have a look what the booklet for
XYZ(108.2330, 72.7272, 291.1820)
contains.

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Color

**XYZ(72.2867, 58.2271,
102.0368)**

Conversions

Conversions Part 1

Format	Color
Hex	F8B0FF
RGB	248, 176, 255
RGB Percent	97%, 69%, 100%
CMY	0.0274, 0.3098, 0.0000
CMYK	0.03, 0.31, 0.00, 0.00
HSL	295°, 100%, 85%
HSV	295°, 31%, 100%
XYZ	72.2867, 58.2271, 102.0368
YIQ	206.5340, 17.5530, 39.8330

Conversions

Conversions Part 2

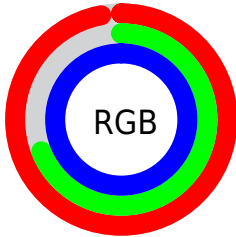
Format	Color
R _Y B	248, 176, 255
Decimal	16298239
CIE Lab	80.86, 38.88, -28.71
CIE LCh	81, 48.328, 323.556
Yxy	58.2271, 0.3108, 0.2504
Android (android.graphics.Color)	4294488319 (0xFFFF8B0FF)
YUV	206.5340, 23.8937, 36.3657
Hunter-Lab	76.3067, 35.5596, -25.8675

Details

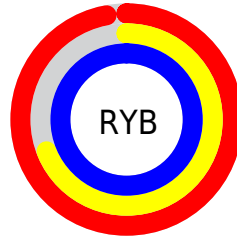
The XYZ color **72.2867, 58.2271, 102.0368** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **63.1263, 84.7225, 54.1031**, and the grayscale version is **58.8536, 61.9186, 67.4293**.

A 20% lighter version of the original color is **88.1466, 86.1932, 106.5989**, and **38.6384, 29.0727, 57.0012** is the 20% darker color. If you saturate the color by 10%, you get **66.9530, 48.7407, 100.4868**, and if you desaturate by 10%, it is **78.5725, 69.6015, 103.9010**.

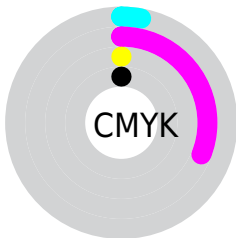
Distribution



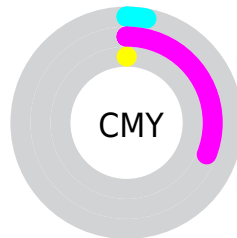
- Red (97%)
- Green (69%)
- Blue (100%)



- Red (97%)
- Yellow (69%)
- Blue (100%)



- Cyan (3%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)



- Cyan (3%)
- Magenta (31%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.2867, 58.2271, 102.0368 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 72.2867, 58.2271, 102.0368 by changing the saturation by 10% instead.

72.2867, 58.2271,
102.0368

72.2867, 58.2271,
102.0368

457.6810,
418.0316, 588.0056

53.6792, 41.9913,
77.3763

121.4727,
102.2535, 166.0296

38.5749, 29.0944,
57.0484

152.7818,
130.8128, 206.1991

26.6084, 19.1523,
40.6345

189.0556,
164.2488, 252.3752

17.4144, 11.7804,
27.7160

230.6593,
202.9457, 304.9766

10.6275, 6.5943,
17.8745

277.9584,
247.2881, 364.4218

5.8824, 3.2097,
10.6914

331.3181,

2.8137, 1.2422,

297.6603, 431.1294

5.7482

391.1039,
354.4467, 505.5178

■ 1.0560, 0.0957,
2.6263

■ 0.0000, 0.0000,
0.9060

■ 72.2867, 58.2271,
102.0368

■ 72.2867, 58.2271,
102.0368

■ 66.9530, 48.7407,
100.4868

■ 78.5725, 69.6015,
103.9010

■ 62.5135, 41.0294,
99.2324

■ 85.8540, 82.9538,
106.0944

■ 58.9122, 34.9800,
98.2546

■ 94.1781, 98.3768,
108.6326

■ 56.0840, 30.4630,
97.5317

■ 95.0500, 100.0000,
108.9000

■ 53.9548, 27.3295,
97.0391

■ 52.4352, 25.4012,
96.7470

■ 51.4616, 24.4443,
96.6136

Harmonies

Analogous

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



63.3840, 58.2271, 128.4178



72.2867, 58.2271, 102.0368



76.7201, 58.2271, 69.7796

Triad

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



72.2867, 58.2271, 102.0368



57.5282, 58.2271, 22.9276



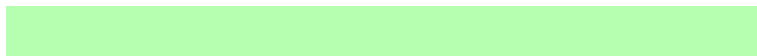
39.5298, 58.2271, 88.0366

Complementary

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



72.2867, 58.2271, 102.0368



63.1263, 84.7225, 54.1031

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.



38.3590, 58.2271, 57.4205



72.2867, 58.2271, 102.0368



48.0127, 58.2271, 25.1469

Square

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



72.2867, 58.2271, 102.0368



67.5623, 58.2271, 28.6314



41.2785, 58.2271, 36.0026



44.6939, 58.2271, 118.7801

Rectangle

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



72.2867, 58.2271, 102.0368



76.2066, 58.2271, 51.3542



41.2785, 58.2271, 36.0026



38.6841, 58.2271, 77.1946

Sweetspot

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



72.2884, 58.2296, 102.0372



87.4166, 85.8378, 106.5687



53.0765, 50.6922, 101.5949



18.4639, 17.9171, 22.7351



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.



72.2884, 58.2296, 102.0372



68.9652, 52.2966, 101.0671



70.1400, 57.6622, 77.5298



18.6246, 18.2137, 22.7839



26.9555, 12.8065, 50.4858



2.6692, 1.2699, 4.9177

Inverse Universe

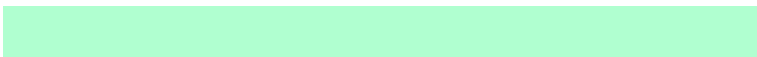
The Inverse Universe completely reimagines the original color for something new.



65.3140, 55.7318, 52.1167



61.0860, 49.4925, 43.8738



65.0021, 85.2853, 72.4546



18.0747, 18.0132, 19.0105



21.6495, 11.1491, 1.5389



2.1291, 1.0940, 0.2611

Previews

White Background



This preview shows how the XYZ color 72.2867, 58.2271, 102.0368 looks on a white background.

Color Contrast Check

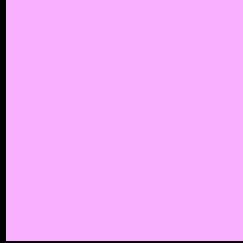
Large Text (above 18pt) WCAG AA × Fail

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 72.2867, 58.2271, 102.0368 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

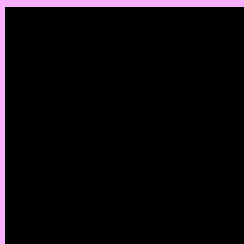
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 72.2867, 58.2271, 102.0368

Background



This preview shows how black text looks on a background with the XYZ color 72.2867, 58.2271, 102.0368.



This preview shows how white text looks on a background with the XYZ color 72.2867, 58.2271,

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

72.2867, 58.2271, 102.0368

Protanopia

58.7231, 58.5060, 102.8055

Deuteranopia

59.8845, 58.4996, 99.4021



Tritanopia

64.2481, 58.2830, 63.1218

Trichromacy



Original Color

72.2867, 58.2271, 102.0368



Protanomaly

62.9753, 58.0369, 102.4908



Deuteranomaly

63.4998, 57.7196, 99.8897



Tritanomaly

66.9468, 58.1421, 76.1007

Monochromacy



Original Color

72.2867, 58.2271, 102.0368



Achromatopsia

59.3074, 62.3960, 67.9493



Achromatomaly

63.3187, 60.3913, 78.8404

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.2867, 58.2271, 102.0368 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(248, 176, 255)` looks like.

```
.text, #text, p{  
    color:rgb(248, 176, 255)  
}
```

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(248, 176, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 176, 255) }
```

Border

The CSS property to change the border of an element to XYZ 72.2867, 58.2271, 102.0368 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(248, 176, 255) }
```


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

```
.border{ border-color:rgb(248, 176, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 176, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 176, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 176, 255);  
box-shadow:4px 4px 4px 4px rgb(248, 176,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 72.2867, 58.2271, 102.0368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 176, 255) }
```

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

```
.background{ background-color: rgb(248,  
176, 255) }
```

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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