

Converting Colors

XYZ(86.0105, 64.0658,
175.6016)

Have a look what the booklet for
XYZ(86.0105, 64.0658, 175.6016)
contains.

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Color

**XYZ(72.1299, 58.4384,
102.0858)**

Conversions

Conversions Part 1

Format	Color
Hex	F7B1FF
RGB	247, 177, 255
RGB Percent	97%, 69%, 100%
CMY	0.0314, 0.3059, 0.0000
CMYK	0.03, 0.31, 0.00, 0.00
HSL	294°, 100%, 85%
HSV	294°, 31%, 100%
XYZ	72.1299, 58.4384, 102.0858
YIQ	206.8220, 16.6820, 39.0980

Conversions

Conversions Part 2

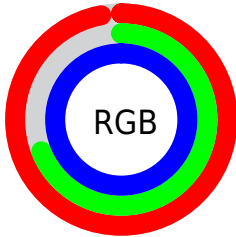
Format	Color
R _Y B	247, 177, 255
Decimal	16232959
CIE _{Lab}	80.98, 38.04, -28.54
CIE _{LCh}	81, 47.556, 323.123
Y _{xy}	58.4384, 0.3100, 0.2512
Android (android.graphics.Color)	4294423039 (0xFFFF7B1FF)
YUV	206.8220, 23.7518, 35.2361
Hunter-Lab	76.4450, 34.6454, -25.6652

Details

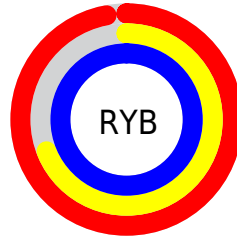
The XYZ color **72.1299, 58.4384, 102.0858** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **63.7048, 85.0093, 54.6486**, and the grayscale version is **59.0397, 62.1143, 67.6425**.

A 20% lighter version of the original color is **88.4289, 86.7578, 106.6930**, and **38.5112, 29.1903, 57.0306** is the 20% darker color. If you saturate the color by 10%, you get **66.6407, 48.8186, 100.5183**, and if you desaturate by 10%, it is **78.5764, 69.9519, 103.9684**.

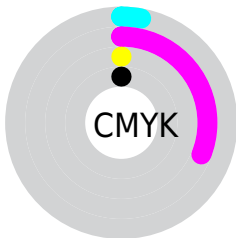
Distribution



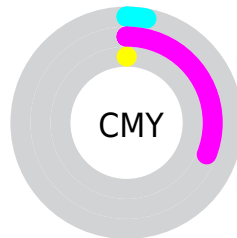
- Red (97%)
- Green (69%)
- Blue (100%)



- 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 72.1299, 58.4384, 102.0858 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 72.1299, 58.4384, 102.0858 by changing the saturation by 10% instead.

 72.1299, 58.4384,
102.0858

 72.1299, 58.4384,
102.0858


457.1442,
418.8175, 588.1631

 53.5506, 42.1612,
77.4171

 121.2510,
102.5610, 166.0974

 38.4718, 29.2275,
57.0816


152.5235,
131.1752, 206.2774

 26.5279, 19.2530,
40.6610


188.7579,
164.6705, 252.4648

 17.3537, 11.8532,
27.7366

230.3194,
203.4313, 305.0783

 10.5839, 6.6438,
17.8899

277.5735,
247.8420, 364.5363

 5.8530, 3.2404,
10.7023

330.8854,

 2.7957, 1.2585,

298.2870, 431.2574

5.7554

390.6205,
355.1507, 505.6602

■ 1.0467, 0.1087,
2.6306

■ 0.0000, 0.0000,
0.9082

■ 72.1299, 58.4384,
102.0858

■ 72.1299, 58.4384,
102.0858

■ 66.6407, 48.8186,
100.5183

■ 78.5764, 69.9519,
103.9684

■ 62.0512, 40.9800,
99.2472

■ 86.0237, 83.4485,
106.1810

■ 58.3054, 34.8096,
98.2536

94.5187, 99.0210,
108.7390

■ 55.3388, 30.1787,
97.5161

95.0500, 100.0000,
108.9000

■ 53.0773, 26.9392,
97.0100

■ 51.4326, 24.9144,
96.7059

■ 50.3154, 23.8534,
96.5600

Harmonies

Analogous

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



63.3261, 58.4384, 127.7568



72.1299, 58.4384, 102.0858



76.5701, 58.4384, 70.3536

Triad

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



72.1299, 58.4384, 102.0858



57.8447, 58.4384, 23.5163



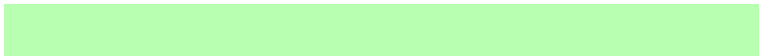
39.8705, 58.4384, 87.4202

Complementary

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



72.1299, 58.4384, 102.0858



63.7048, 85.0093, 54.6486

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.



38.7692, 58.4384, 57.3481



72.1299, 58.4384, 102.0858



48.4270, 58.4384, 25.6213

Square

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



72.1299, 58.4384, 102.0858



67.7141, 58.4384, 29.3318



41.7180, 58.4384, 36.2941



44.9271, 58.4384, 117.6881

Rectangle

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



72.1299, 58.4384, 102.0858



76.1266, 58.4384, 52.0816



41.7180, 58.4384, 36.2941



39.0521, 58.4384, 76.7693

Sweetspot

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



72.1316, 58.4409, 102.0862



87.3001, 85.7777, 106.5633



53.7636, 51.7297, 101.7589



18.4350, 17.9022, 22.7338



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.



72.1316, 58.4409, 102.0862



68.5033, 52.0585, 101.0455



70.5677, 58.1482, 78.8116



18.5983, 18.2002, 22.7827



26.3654, 12.5023, 50.4582



2.6178, 1.2434, 4.9153

Inverse Universe

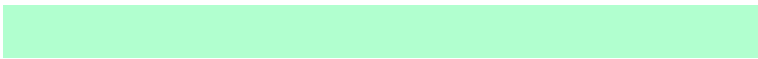
The Inverse Universe completely reimagines the original color for something new.



65.7205, 56.2093, 53.2865



61.2103, 49.5422, 44.5282



65.1433, 85.3680, 72.0138



18.0851, 18.0173, 19.0650



21.6716, 11.1579, 1.6553



2.1339, 1.0960, 0.2868

Previews

White Background



This preview shows how the XYZ color 72.1299, 58.4384, 102.0858 looks on a white background.

Color Contrast Check

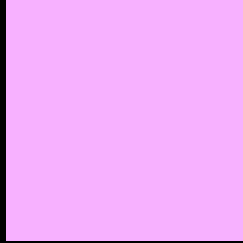
Large Text (above 18pt) WCAG AA × Fail

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 72.1299, 58.4384, 102.0858 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

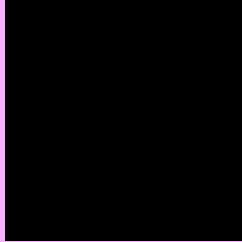
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 72.1299, 58.4384, 102.0858

Background



This preview shows how black text looks on a background with the XYZ color 72.1299, 58.4384, 102.0858.



This preview shows how white text looks on a background with the XYZ color 72.1299, 58.4384,

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

72.1299, 58.4384, 102.0858

Protanopia

59.1978, 59.0933, 102.8938

Deuteranopia

59.8845, 58.4996, 99.4021



Tritanopia

64.3662, 58.3302, 63.7435

Trichromacy



Original Color

72.1299, 58.4384, 102.0858



Protanomaly

63.1941, 58.4746, 102.5638



Deuteranomaly

63.7157, 58.1513, 99.9616



Tritanomaly

66.9468, 58.1421, 76.1007

Monochromacy



Original Color

72.1299, 58.4384, 102.0858



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 72.1299, 58.4384, 102.0858 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(247, 177, 255)` looks like.

```
.text, #text, p{  
    color:rgb(247, 177, 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(247, 177, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 177, 255) }
```

Border

The CSS property to change the border of an element to XYZ 72.1299, 58.4384, 102.0858 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(247, 177, 255) }
```


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

```
.border{ border-color:rgb(247, 177, 255) }
```

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

Here you see how a box with a 4 pixel rgb(247, 177, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 177, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 177, 255);  
box-shadow:4px 4px 4px 4px rgb(247, 177,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 72.1299, 58.4384, 102.0858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 177, 255) }
```

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

```
.background{ background-color: rgb(247,  
177, 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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