

Converting Colors

XYZ(48.8067, 39.7438, 99.7067)

Have a look what the booklet for
XYZ(48.8067, 39.7438, 99.7067)
contains.

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Color

**XYZ(48.8067, 39.7438,
99.7067)**

Conversions

Conversions Part 1

Format	Color
Hex	B798FF
RGB	183, 152, 255
RGB Percent	72%, 60%, 100%
CMY	0.2823, 0.4039, 0.0000
CMYK	0.28, 0.40, 0.00, 0.00
HSL	258°, 100%, 80%
HSV	258°, 40%, 100%
XYZ	48.8067, 39.7438, 99.7067
YIQ	173.0110, -14.5870, 38.6050

Conversions

Conversions Part 2

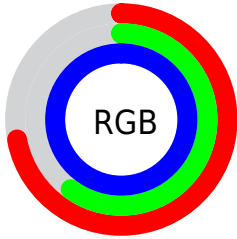
Format	Color
RYB	183, 152, 255
Decimal	12032255
CIELab	69.29, 32.78, -47.17
CIELCh	69, 57.439, 304.793
Yxy	39.7438, 0.2593, 0.2111
Android (android.graphics.Color)	4290222335 (0xFFB798FF)
YUV	173.0110, 40.4206, 8.7604
Hunter-Lab	63.0427, 27.8673, -49.6417

Details

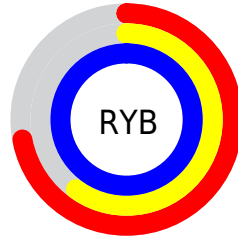
The XYZ color **48.8067, 39.7438, 99.7067** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **72.1683, 89.6344, 43.2047**, and the grayscale version is **39.5332, 41.5920, 45.2937**.

A 20% lighter version of the original color is **76.6385, 70.5464, 104.1853**, and **23.5991, 17.8966, 55.6367** is the 20% darker color. If you saturate the color by 10%, you get **41.1296, 30.2893, 98.2864**, and if you desaturate by 10%, it is **57.9130, 51.2573, 101.4490**.

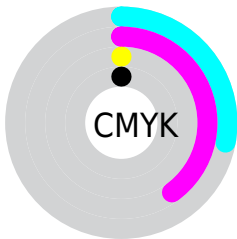
Distribution



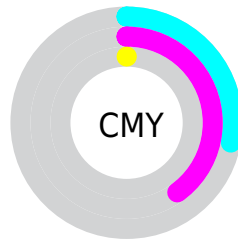
- Red (72%)
- Green (60%)
- Blue (100%)



- Red (72%)
- Yellow (60%)
- Blue (100%)



- Cyan (28%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)





- Cyan (28%)
- Magenta (40%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.8067, 39.7438, 99.7067 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 48.8067, 39.7438, 99.7067 by changing the saturation by 10% instead.


 48.8067, 39.7438,
99.7067


 48.8067, 39.7438,
99.7067


372.5104,
345.0425, 580.4906

 34.6801, 27.3388,
75.4401

 87.6067, 74.7732,
162.8024

 23.5819, 17.8279,
55.4696


 113.0109, 98.1665,
202.4686

 15.1468, 10.8265,
39.3767


142.9049,
125.9913, 248.1051

 9.0095, 5.9503,
26.7428

177.6541,
158.6321, 300.1304

 4.8045, 2.8149,
17.1494

217.6239,
196.4732, 358.9630

 2.1666, 1.0359,
10.1780

263.1797,

 0.7250, 0.0000,

239.8990, 425.0216

5.4100

314.6867,
289.2940, 498.7246

■ 0.0000, 0.0000,
2.4269

■ 0.0000, 0.0000,
0.8010

■ 48.8067, 39.7438,
99.7067

■ 48.8067, 39.7438,
99.7067

■ 41.1296, 30.2893,
98.2864

■ 57.9130, 51.2573,
101.4490

■ 34.8001, 22.7638,
97.1674

■ 68.5160, 64.9399,
103.5312

■ 29.7341, 17.0293,
96.3276

■ 80.6832, 80.8991,
105.9704

■ 25.8351, 12.9268,
95.7412

■ 94.4771, 99.2339,
108.7823

■ 22.9907, 10.2675,
95.3778

95.0500, 100.0000,
108.9000

■ 21.0904, 8.7874,
95.1923

Harmonies

Analogous

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



39.2742, 39.7438, 116.0309



48.8067, 39.7438, 99.7067



56.1676, 39.7438, 68.6638

Triad

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



48.8067, 39.7438, 99.7067



45.8294, 39.7438, 11.6974



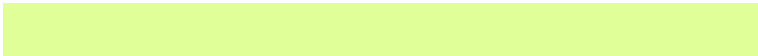
22.7351, 39.7438, 47.6514

Complementary

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



48.8067, 39.7438, 99.7067



72.1683, 89.6344, 43.2047

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.



23.9126, 39.7438, 25.0706



48.8067, 39.7438, 99.7067



36.3150, 39.7438, 9.8586

Square

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



48.8067, 39.7438, 99.7067



54.2622, 39.7438, 20.3082



28.5455, 39.7438, 13.5598



25.0201, 39.7438, 79.1398

Rectangle

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



48.8067, 39.7438, 99.7067



58.2953, 39.7438, 48.0415



28.5455, 39.7438, 13.5598



22.7430, 39.7438, 38.8333

Sweetspot

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



48.8080, 39.7453, 99.7069



78.6171, 78.1731, 105.5531



57.6824, 67.2614, 104.5503



16.4749, 16.2682, 22.5217



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.



48.8080, 39.7453, 99.7069



42.8396, 32.3695, 98.5978



63.3422, 47.2379, 100.3871



17.5170, 17.6427, 22.7321



11.1511, 4.6591, 49.7461



1.1905, 0.5077, 4.8485

Inverse Universe

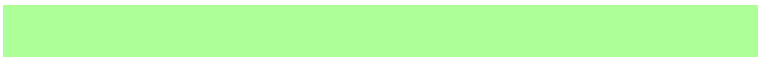
The Inverse Universe completely reimagines the original color for something new.



65.9234, 49.0994, 76.5237



62.2487, 42.9961, 71.4578



58.5736, 82.6261, 42.5685



18.5461, 18.2018, 21.4929



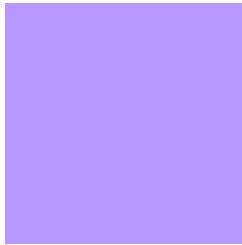
25.8301, 12.8213, 23.5536



2.5634, 1.2677, 2.5483

Previews

White Background



This preview shows how the XYZ color 48.8067, 39.7438, 99.7067 looks on a white background.

Color Contrast Check

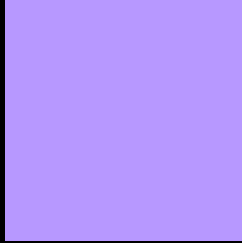
Large Text (above 18pt) WCAG AA × Fail

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 48.8067, 39.7438, 99.7067 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 48.8067, 39.7438, 99.7067

Background



This preview shows how black text looks on a background with the XYZ color 48.8067, 39.7438, 99.7067.



This preview shows how white text looks on a background with the XYZ color 48.8067, 39.7438,

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

48.8067, 39.7438, 99.7067

Protanopia

42.1675, 39.8957, 100.0859

Deuteranopia

41.0890, 39.9391, 97.6388



Tritanopia

38.7053, 39.7765, 49.3537

Trichromacy



Original Color

48.8067, 39.7438, 99.7067

Protanomaly

44.1213, 39.5798, 99.9220

Deuteranomaly

43.4125, 39.5118, 98.2670

Tritanomaly

41.7611, 39.3934, 65.0771

Monochromacy



Original Color

48.8067, 39.7438, 99.7067

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

42.3661, 40.5692, 62.0976

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.8067, 39.7438, 99.7067 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(183, 152, 255)` looks like.

```
.text, #text, p{  
    color:rgb(183, 152, 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(183, 152, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 152, 255) }
```

Border

The CSS property to change the border of an element to XYZ 48.8067, 39.7438, 99.7067 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(183, 152, 255) }
```


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

```
.border{ border-color:rgb(183, 152, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 152, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 152, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 152, 255);  
box-shadow:4px 4px 4px 4px rgb(183, 152,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8067, 39.7438, 99.7067 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 152, 255) }
```

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

```
.background{ background-color: rgb(183,  
152, 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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