

Converting Colors

XYZ(49.8390, 39.1554,
100.2997)

Have a look what the booklet for
XYZ(49.8390, 39.1554, 100.2997)
contains.

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Color

**XYZ(49.7189, 39.0346,
99.5217)**

Conversions

Conversions Part 1

Format	Color
Hex	BE93FF
RGB	190, 147, 255
RGB Percent	75%, 58%, 100%
CMY	0.2549, 0.4235, 0.0000
CMYK	0.25, 0.42, 0.00, 0.00
HSL	264°, 100%, 79%
HSV	264°, 42%, 100%
XYZ	49.7189, 39.0346, 99.5217
YIQ	172.1690, -9.0400, 42.7040

Conversions

Conversions Part 2

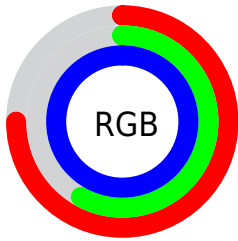
Format	Color
R_{YB}	190, 147, 255
Decimal	12489727
CIE _{Lab}	68.78, 37.45, -47.93
CIE _{LCh}	69, 60.828, 308.006
Yxy	39.0346, 0.2641, 0.2073
Android (android.graphics.Color)	4290679807 (0xFFBE93FF)
YUV	172.1690, 40.8357, 15.6378
Hunter-Lab	62.4777, 32.7120, -50.7096

Details

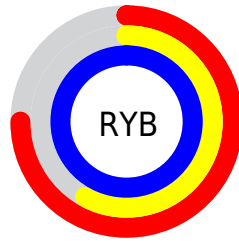
The XYZ color **49.7189, 39.0346, 99.5217** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **68.1783, 87.6238, 40.9249**, and the grayscale version is **39.1025, 41.1389, 44.8002**.

A 20% lighter version of the original color is **77.8819, 69.4175, 103.9018**, and **24.1168, 17.3300, 55.5000** is the 20% darker color. If you saturate the color by 10%, you get **42.5508, 30.0917, 98.1733**, and if you desaturate by 10%, it is **58.1720, 49.9461, 101.1823**.

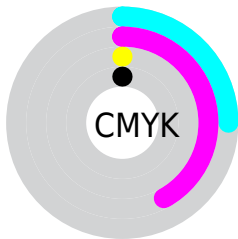
Distribution



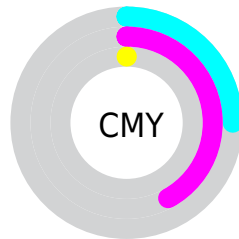
- Red (75%)
- Green (58%)
- Blue (100%)



- Red (75%)
- Yellow (58%)
- Blue (100%)



- Cyan (25%)
- Magenta (42%)
- Yellow (0%)
- Black (0%)





- Cyan (25%)
- Magenta (42%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.7189, 39.0346, 99.5217 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 49.7189, 39.0346, 99.5217 by changing the saturation by 10% instead.


 49.7189, 39.0346,
99.5217


 49.7189, 39.0346,
99.5217


376.0358,
342.0376, 579.8917

 35.4070, 26.7866,
75.2865


 88.9526, 73.6912,
162.5459

 24.1445, 17.4131,
55.3445

 114.6050, 96.8686,
202.1719

 15.5662, 10.5294,
39.2771


144.7684,
124.4579, 247.7653

 9.3066, 5.7514,
26.6659

179.8079,
156.8436, 299.7446

 5.0004, 2.6945,
17.0922

220.0891,
194.4100, 358.5284

 2.2823, 0.9744,
10.1376

265.9773,

 0.7856, 0.0000,

237.5416, 424.5351

5.3835

317.8377,
286.6226, 498.1834

■ 0.0000, 0.0000,
2.4113

■ 0.0000, 0.0000,
0.7926

■ 49.7189, 39.0346,
99.5217

■ 49.7189, 39.0346,
99.5217

■ 42.5508, 30.0917,
98.1733

■ 58.1720, 49.9461,
101.1823

■ 36.5926, 22.9889,
97.1164

■ 67.9715, 62.9344,
103.1728

■ 31.7667, 17.5894,
96.3286

■ 79.1791, 78.1052,
105.5104

■ 27.9834, 13.7341,
95.7838

■ 91.8515, 95.5555,
108.2107

■ 25.1360, 11.2315,
95.4508

95.0500, 100.0000,
108.9000

■ 23.4763, 10.0174,
95.3039

Harmonies

Analogous

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



39.7419, 39.0346, 119.6764



49.7189, 39.0346, 99.5217



57.0688, 39.0346, 65.6331

Triad

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



49.7189, 39.0346, 99.5217



44.4818, 39.0346, 9.8444



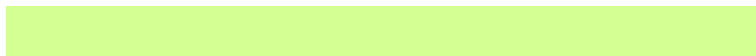
21.6120, 39.0346, 50.3287

Complementary

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



49.7189, 39.0346, 99.5217



68.1783, 87.6238, 40.9249

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.



22.4369, 39.0346, 25.5656



49.7189, 39.0346, 99.5217



34.5802, 39.0346, 8.6360

Square

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



49.7189, 39.0346, 99.5217



53.6990, 39.0346, 17.4864



26.8222, 39.0346, 12.9029



24.3333, 39.0346, 84.2622

Rectangle

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



49.7189, 39.0346, 99.5217



58.8693, 39.0346, 44.3756



26.8222, 39.0346, 12.9029



21.4941, 39.0346, 40.6820

Sweetspot

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



49.7202, 39.0361, 99.5219



78.4085, 77.0534, 105.3480



54.0291, 61.3150, 103.5951



16.2311, 15.7416, 22.4329



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.



49.7202, 39.0361, 99.5219



43.4473, 31.1900, 98.3381



65.2398, 47.0367, 100.2482



17.6874, 17.7306, 22.7401



12.4237, 5.3151, 49.8057



1.3287, 0.5789, 4.8550

Inverse Universe

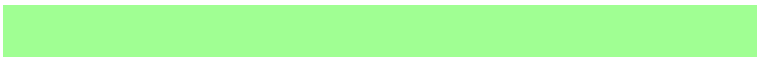
The Inverse Universe completely reimagines the original color for something new.



63.5580, 46.8820, 67.9870



59.3730, 40.2369, 61.2746



55.4447, 81.0594, 40.3290



18.4685, 18.1707, 21.0841



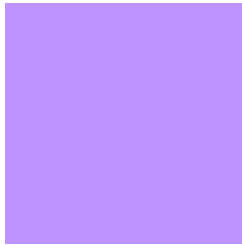
24.6492, 12.3490, 17.3351



2.4539, 1.2240, 1.9719

Previews

White Background



This preview shows how the XYZ color 49.7189, 39.0346, 99.5217 looks on a white background.

Color Contrast Check

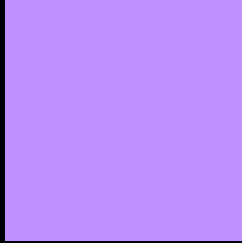
Large Text (above 18pt) WCAG AA × Fail

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 49.7189, 39.0346, 99.5217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

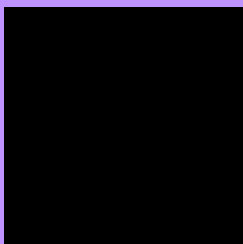
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.7189, 39.0346, 99.5217

Background



This preview shows how black text looks on a background with the XYZ color 49.7189, 39.0346, 99.5217.



This preview shows how white text looks on a background with the XYZ color 49.7189, 39.0346,

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

49.7189, 39.0346, 99.5217

Protanopia

41.4968, 39.2812, 100.0026

Deuteranopia

40.4372, 39.3483, 96.7305



Tritanopia

39.1158, 38.9554, 47.0525

Trichromacy



Original Color

49.7189, 39.0346, 99.5217

Protanomaly

43.7944, 38.6423, 99.7582

Deuteranomaly

43.0904, 38.8453, 97.3222

Tritanomaly

42.3024, 38.6853, 62.9950

Monochromacy



Original Color

49.7189, 39.0346, 99.5217

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

42.3483, 40.0424, 61.3741

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7189, 39.0346, 99.5217 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(190, 147, 255)` looks like.

```
.text, #text, p{  
    color:rgb(190, 147, 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(190, 147, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 147, 255) }
```

Border

The CSS property to change the border of an element to XYZ 49.7189, 39.0346, 99.5217 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(190, 147, 255) }
```


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

```
.border{ border-color:rgb(190, 147, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 147, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 147, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 147, 255);  
box-shadow:4px 4px 4px 4px rgb(190, 147,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7189, 39.0346, 99.5217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 147, 255) }
```

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

```
.background{ background-color: rgb(190,  
147, 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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