

Converting Colors

XYZ(49.5008, 38.7198, 99.4724)

Have a look what the booklet for
XYZ(49.5008, 38.7198, 99.4724)
contains.

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Color

**XYZ(49.5641, 38.7249,
99.4701)**

Conversions

Conversions Part 1

Format	Color
Hex	BE92FF
RGB	190, 146, 255
RGB Percent	75%, 57%, 100%
CMY	0.2549, 0.4274, 0.0000
CMYK	0.25, 0.43, 0.00, 0.00
HSL	264°, 100%, 79%
HSV	264°, 43%, 100%
XYZ	49.5641, 38.7249, 99.4701
YIQ	171.5820, -8.7650, 43.2270

Conversions

Conversions Part 2

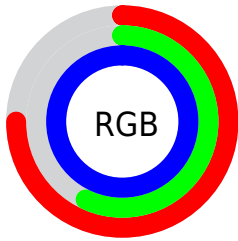
Format	Color
R_{YB}	190, 146, 255
Decimal	12489471
CIE _{Lab}	68.55, 38.00, -48.28
CIE _{LCh}	69, 61.446, 308.207
Yxy	38.7249, 0.2640, 0.2062
Android (android.graphics.Color)	4290679551 (0xFFBE92FF)
YUV	171.5820, 41.1251, 16.1526
Hunter-Lab	62.2293, 33.2694, -51.2112

Details

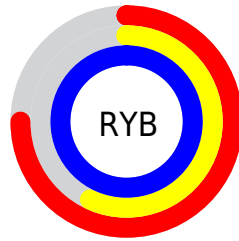
The XYZ color **49.5641, 38.7249, 99.4701** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **67.8126, 87.4443, 40.4998**, and the grayscale version is **38.8051, 40.8260, 44.4595**.

A 20% lighter version of the original color is **77.6480, 68.9497, 103.8239**, and **24.1168, 17.3300, 55.5000** is the 20% darker color. If you saturate the color by 10%, you get **42.4608, 29.8648, 98.1343**, and if you desaturate by 10%, it is **57.9428, 49.5453, 101.1170**.

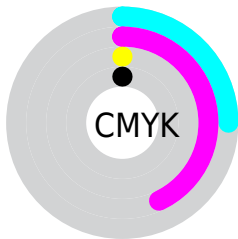
Distribution



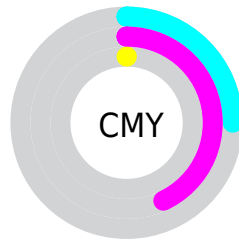
- Red (75%)
- Green (57%)
- Blue (100%)



- Red (75%)
- Yellow (57%)
- Blue (100%)



- Cyan (25%)
- Magenta (43%)
- Yellow (0%)
- Black (0%)





- Cyan (25%)
- Magenta (43%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.5641, 38.7249, 99.4701 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 49.5641, 38.7249, 99.4701 by changing the saturation by 10% instead.


 49.5641, 38.7249,
99.4701

 49.5641, 38.7249,
99.4701


375.4391,
340.7195, 579.7246

 35.2835, 26.5458,
75.2437


 88.7244, 73.2179,
162.4743

 24.0489, 17.2324,
55.3096


 114.3348, 96.3005,
202.0892

 15.4948, 10.4003,
39.2494


144.4526,
123.7865, 247.6705

 9.2560, 5.6652,
26.6445

179.4431,
156.0601, 299.6370

 4.9670, 2.6426,
17.0763

219.6716,
193.5058, 358.4071

 2.2625, 0.9481,
10.1264

265.5036,

 0.7753, 0.0000,

236.5080, 424.3994

5.3761

317.3043,
285.4511, 498.0324

■ 0.0000, 0.0000,
2.4070

■ 0.0000, 0.0000,
0.7903

■ 49.5641, 38.7249,
99.4701

■ 49.5641, 38.7249,
99.4701

■ 42.4608, 29.8648,
98.1343

■ 57.9428, 49.5453,
101.1170

■ 36.5581, 22.8365,
97.0888

■ 67.6581, 62.4346,
103.0929

■ 31.7782, 17.5024,
96.3112

■ 78.7717, 77.4985,
105.4147

■ 28.0312, 13.7027,
95.7752

■ 91.3401, 94.8341,
108.0984

■ 25.2104, 11.2447,
95.4494

95.0500, 100.0000,
108.9000

■ 23.6365, 10.0999,
95.3114

Harmonies

Analogous

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



39.5289, 38.7249, 120.0146



49.5641, 38.7249, 99.4701



56.9409, 38.7249, 65.2189

Triad

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



49.5641, 38.7249, 99.4701



44.1603, 38.7249, 9.5058



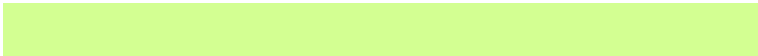
21.2842, 38.7249, 50.2429

Complementary

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



49.5641, 38.7249, 99.4701



67.8126, 87.4443, 40.4998

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.



22.0853, 38.7249, 25.3061



49.5641, 38.7249, 99.4701



34.2128, 38.7249, 8.3470

Square

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



49.5641, 38.7249, 99.4701



53.4596, 38.7249, 17.0376



26.4511, 38.7249, 12.6129



24.0303, 38.7249, 84.4866

Rectangle

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



49.5641, 38.7249, 99.4701



58.7269, 38.7249, 43.8554



26.4511, 38.7249, 12.6129



21.1585, 38.7249, 40.5183

Sweetspot

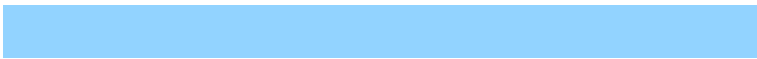
The Sweet Spot groups the original color and five complimentary colors.



49.5654, 38.7264, 99.4703



78.4691, 77.0846, 105.3508



53.2988, 60.1195, 103.4028



16.2460, 15.7492, 22.4336



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.



49.5654, 38.7264, 99.4703



43.6111, 31.2745, 98.3458



65.6725, 47.0298, 100.2241



17.6971, 17.7356, 22.7405



12.5086, 5.3589, 49.8097



1.3376, 0.5835, 4.8554

Inverse Universe

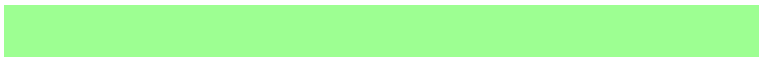
The Inverse Universe completely reimagines the original color for something new.



63.2773, 46.5220, 67.2726



59.2874, 40.2026, 60.8239



54.8343, 80.7538, 39.8925



18.4641, 18.1690, 21.0611



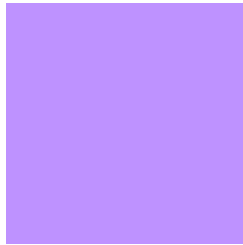
24.5887, 12.3248, 17.0163



2.4482, 1.2217, 1.9418

Previews

White Background



This preview shows how the XYZ color 49.5641, 38.7249, 99.4701 looks on a white background.

Color Contrast Check

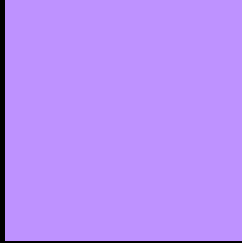
Large Text (above 18pt) WCAG AA × Fail

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 49.5641, 38.7249, 99.4701 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

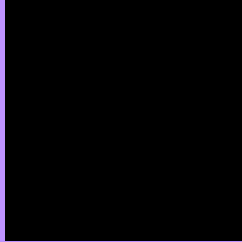
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.5641, 38.7249, 99.4701

Background



This preview shows how black text looks on a background with the XYZ color 49.5641, 38.7249, 99.4701.



This preview shows how white text looks on a background with the XYZ color 49.5641, 38.7249,

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

49.5641, 38.7249, 99.4701

Protanopia

41.1570, 38.8393, 99.9353

Deuteranopia

40.1021, 38.9046, 96.6625



Tritanopia

38.8382, 38.5591, 46.4700

Trichromacy



Original Color

49.5641, 38.7249, 99.4701

Protanomaly

43.4334, 38.2040, 99.6927

Deuteranomaly

42.7313, 38.4039, 97.2560

Tritanomaly

42.1325, 38.3455, 62.9384

Monochromacy



Original Color

49.5641, 38.7249, 99.4701

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 49.5641, 38.7249, 99.4701 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, 146, 255)` looks like.

```
.text, #text, p{  
    color:rgb(190, 146, 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, 146, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 146, 255) }
```

Border

The CSS property to change the border of an element to XYZ 49.5641, 38.7249, 99.4701 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, 146, 255) }
```


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

```
.border{ border-color:rgb(190, 146, 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, 146, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 146, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 146, 255);  
box-shadow:4px 4px 4px 4px rgb(190, 146,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 49.5641, 38.7249, 99.4701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 146, 255) }
```

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

```
.background{ background-color: rgb(190,  
146, 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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