

Converting Colors

XYZ(49.7300, 42.5436, 99.3642)

Have a look what the booklet for
XYZ(49.7300, 42.5436, 99.3642)
contains.

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Color

**XYZ(49.6903, 42.4693,
99.3444)**

Conversions

Conversions Part 1

Format	Color
Hex	B5A1FE
RGB	181, 161, 254
RGB Percent	71%, 63%, 100%
CMY	0.2902, 0.3686, 0.0039
CMYK	0.29, 0.37, 0.00, 0.00
HSL	253°, 98%, 81%
HSV	253°, 37%, 100%
XYZ	49.6903, 42.4693, 99.3444
YIQ	177.5820, -17.9330, 33.1630

Conversions

Conversions Part 2

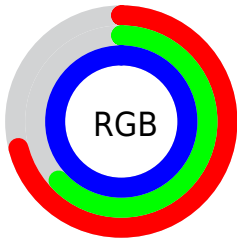
Format	Color
RYB	181, 161, 254
Decimal	11903486
CIELab	71.19, 26.96, -43.65
CIELCh	71, 51.302, 301.702
Yxy	42.4693, 0.2595, 0.2218
Android (android.graphics.Color)	4290093566 (0xFFB5A1FE)
YUV	177.5820, 37.6741, 2.9976
Hunter-Lab	65.1685, 22.0596, -44.7652

Details

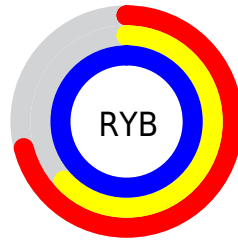
The XYZ color **49.6903, 42.4693, 99.3444** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **75.8076, 90.9502, 47.2795**, and the grayscale version is **41.9119, 44.0946, 48.0190**.

A 20% lighter version of the original color is **77.8658, 74.5089, 104.8854**, and **24.1509, 19.4041, 55.2958** is the 20% darker color. If you saturate the color by 10%, you get **41.3491, 32.2365, 97.8097**, and if you desaturate by 10%, it is **59.6051, 54.8533, 101.2129**.

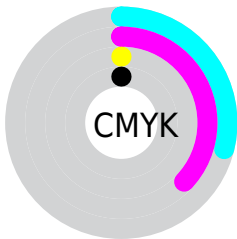
Distribution



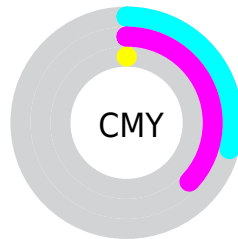
- Red (71%)
- Green (63%)
- Blue (100%)



- Red (71%)
- Yellow (63%)
- Blue (100%)



- Cyan (29%)
- Magenta (37%)
- Yellow (0%)
- Black (0%)





- Cyan (29%)
- Magenta (37%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.6903, 42.4693, 99.3444 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 49.6903, 42.4693, 99.3444 by changing the saturation by 10% instead.


 49.6903, 42.4693,
99.3444


 49.6903, 42.4693,
99.3444

375.9256,
356.4247, 579.3174

 35.3842, 29.4689,
75.1393


 88.9104, 78.9094,
162.3000

 24.1269, 19.4359,
55.2246

 114.5551,
103.1179, 201.8875

 15.5530, 11.9856,
39.1818


144.7100,
131.8313, 247.4396

 9.2972, 6.7339,
26.5922

179.7406,
165.4339, 299.3748

 4.9942, 3.2962,
17.0375

220.0120,
204.3102, 358.1116

 2.2786, 1.2883,
10.0990

265.8898,

 0.7837, 0.1321,

248.8445, 424.0687

5.3582

317.7392,
299.4212, 497.6644

■ 0.0000, 0.0000,
2.3965

■ 0.0000, 0.0000,
0.7845

■ 49.6903, 42.4693,
99.3444

■ 49.6903, 42.4693,
99.3444

■ 41.3491, 32.2365,
97.8097

■ 59.6051, 54.8533,
101.2129

■ 34.4937, 24.0255,
96.5861

■ 71.1658, 69.4978,
103.4303

■ 29.0344, 17.7006,
95.6530

■ 84.4457, 86.5108,
106.0142

■ 24.8694, 13.1066,
94.9858

94.8895, 99.9358,
108.0550

■ 21.8820, 10.0633,
94.5558

■ 19.9307, 8.3467,
94.3273

■ 19.4446, 7.9575,
94.2778

Harmonies

Analogous

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



40.8587, 42.4693, 111.5376



49.6903, 42.4693, 99.3444



56.7397, 42.4693, 72.5103

Triad

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



49.6903, 42.4693, 99.3444



48.7200, 42.4693, 15.8289



25.9950, 42.4693, 47.6622

Complementary

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



49.6903, 42.4693, 99.3444



75.8076, 90.9502, 47.2795

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.



27.4905, 42.4693, 27.2345



49.6903, 42.4693, 99.3444



39.8768, 42.4693, 13.2278

Square

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



49.6903, 42.4693, 99.3444



56.1258, 42.4693, 25.5589



32.2875, 42.4693, 16.5270



27.8723, 42.4693, 75.8473

Rectangle

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



49.6903, 42.4693, 99.3444



59.0315, 42.4693, 53.4161



32.2875, 42.4693, 16.5270



26.1188, 42.4693, 39.7405

Sweetspot

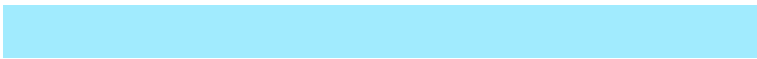
The Sweet Spot groups the original color and five complimentary colors.



49.6918, 42.4709, 99.3454



79.1039, 79.4515, 105.7742



62.4116, 74.3801, 104.8341



16.5430, 16.5082, 22.5644



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.



49.6918, 42.4709, 99.3454



43.7638, 35.0127, 99.0593



62.0310, 48.8320, 99.9229



17.3681, 17.5660, 22.7251



10.3511, 4.2467, 49.7087



1.0949, 0.4584, 4.8440

Inverse Universe

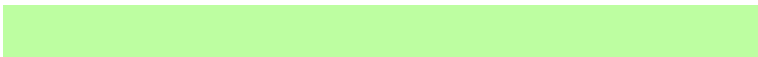
The Inverse Universe completely reimagines the original color for something new.



68.4704, 52.5026, 84.3682



65.4380, 46.6072, 81.0528



62.8376, 84.2639, 46.6726



18.6155, 18.2295, 21.8586



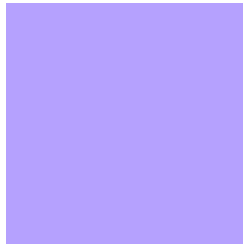
27.0635, 13.3147, 30.0488



2.6747, 1.3123, 3.1345

Previews

White Background



This preview shows how the XYZ color 49.6903, 42.4693, 99.3444 looks on a white background.

Color Contrast Check

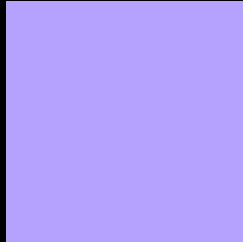
Large Text (above 18pt) WCAG AA × Fail

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 49.6903, 42.4693, 99.3444 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

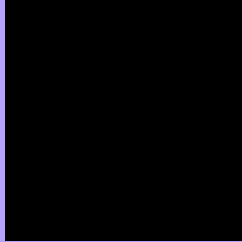
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.6903, 42.4693, 99.3444

Background



This preview shows how black text looks on a background with the XYZ color 49.6903, 42.4693, 99.3444.



This preview shows how white text looks on a background with the XYZ color 49.6903, 42.4693,

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

49.6903, 42.4693, 99.3444

Protanopia

44.6566, 42.8360, 100.5223

Deuteranopia

44.0159, 42.8447, 98.0454



Tritanopia

40.5555, 42.6156, 53.6651

Trichromacy



Original Color

49.6903, 42.4693, 99.3444

Protanomaly

46.3507, 42.5962, 100.3867

Deuteranomaly

45.8222, 42.6359, 98.7430

Tritanomaly

43.4920, 42.3872, 68.1766

Monochromacy



Original Color

49.6903, 42.4693, 99.3444

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

44.4835, 43.5450, 64.4530

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6903, 42.4693, 99.3444 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(181, 161, 254)` looks like.

```
.text, #text, p{  
    color:rgb(181, 161, 254)  
}
```

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(181, 161, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 161, 254) }
```

Border

The CSS property to change the border of an element to XYZ 49.6903, 42.4693, 99.3444 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(181, 161, 254) }
```


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

```
.border{ border-color:rgb(181, 161, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 161, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 161, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 161, 254);  
box-shadow:4px 4px 4px 4px rgb(181, 161,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6903, 42.4693, 99.3444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 161, 254) }
```

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

```
.background{ background-color: rgb(181,  
161, 254) }
```

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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