

Converting Colors

XYZ(65.1194, 46.1148,
183.2008)

Have a look what the booklet for
XYZ(65.1194, 46.1148, 183.2008)
contains.

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Color

**XYZ(49.1242, 39.6675,
99.6752)**

Conversions

Conversions Part 1

Format	Color
Hex	B997FF
RGB	185, 151, 255
RGB Percent	73%, 59%, 100%
CMY	0.2745, 0.4078, 0.0000
CMYK	0.27, 0.41, 0.00, 0.00
HSL	260°, 100%, 80%
HSV	260°, 41%, 100%
XYZ	49.1242, 39.6675, 99.6752
YIQ	173.0220, -13.1200, 39.5520

Conversions

Conversions Part 2

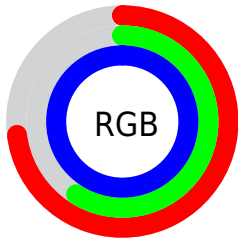
Format	Color
RYB	185, 151, 255
Decimal	12163071
CIELab	69.23, 33.88, -47.24
CIELCh	69, 58.135, 305.643
Yxy	39.6675, 0.2607, 0.2105
Android (android.graphics.Color)	4290353151 (0xFFB997FF)
YUV	173.0220, 40.4152, 10.5047
Hunter-Lab	62.9821, 29.0060, -49.7445

Details

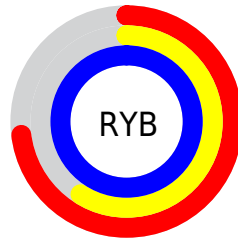
The XYZ color **49.1242, 39.6675, 99.6752** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **71.1650, 89.1266, 42.7319**, and the grayscale version is **39.5382, 41.5973, 45.2995**.

A 20% lighter version of the original color is **77.0835, 70.4173, 104.1369**, and **23.8035, 17.8587, 55.6186** is the 20% darker color. If you saturate the color by 10%, you get **41.5619, 30.3223, 98.2700**, and if you desaturate by 10%, it is **58.0764, 51.0482, 101.4001**.

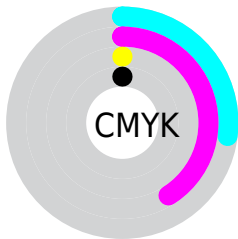
Distribution



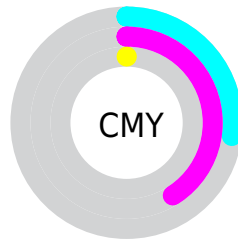
- Red (73%)
- Green (59%)
- Blue (100%)



- Red (73%)
- Yellow (59%)
- Blue (100%)



- Cyan (27%)
- Magenta (41%)
- Yellow (0%)
- Black (0%)





- Cyan (27%)
- Magenta (41%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.1242, 39.6675, 99.6752 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 49.1242, 39.6675, 99.6752 by changing the saturation by 10% instead.


 49.1242, 39.6675,
99.6752

 49.1242, 39.6675,
99.6752


373.7399,
344.7201, 580.3886

 34.9330, 27.2794,
75.4139


 88.0755, 74.6569,
162.7587

 23.7775, 17.7832,
55.4483


 113.5663, 98.0270,
202.4181

 15.2925, 10.7944,
39.3597


143.5543,
125.8266, 248.0473

 9.1126, 5.9288,
26.7297

178.4048,
158.4400, 300.0647

 4.8724, 2.8018,
17.1397

218.4833,
196.2517, 358.8890

 2.2066, 1.0292,
10.1711

264.1551,

 0.7462, 0.0000,

239.6460, 424.9388

5.4055

315.7855,
289.0074, 498.6325

■ 0.0000, 0.0000,
2.4242

■ 0.0000, 0.0000,
0.7996

■ 49.1242, 39.6675,
99.6752

■ 49.1242, 39.6675,
99.6752

■ 41.5619, 30.3223,
98.2700

■ 58.0764, 51.0482,
101.4001

■ 35.3101, 22.8834,
97.1636

■ 68.4840, 64.5739,
103.4622

■ 30.2867, 17.2135,
96.3340

■ 80.4129, 80.3513,
105.8789

■ 26.3976, 13.1540,
95.7554

■ 93.9236, 98.4786,
108.6657

■ 23.5326, 10.5162,
95.3973

95.0500, 100.0000,
108.9000

■ 21.6498, 9.0758,
95.2185

Harmonies

Analogous

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



39.4904, 39.6675, 116.9201



49.1242, 39.6675, 99.6752



56.4716, 39.6675, 67.9681

Triad

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



49.1242, 39.6675, 99.6752



45.5765, 39.6675, 11.3015



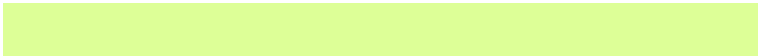
22.5488, 39.6675, 48.4305

Complementary

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



49.1242, 39.6675, 99.6752



71.1650, 89.1266, 42.7319

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.



23.6350, 39.6675, 25.3124



49.1242, 39.6675, 99.6752



35.9700, 39.6675, 9.6270

Square

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



49.1242, 39.6675, 99.6752



54.1987, 39.6675, 19.6773



28.2049, 39.6675, 13.4916



24.9478, 39.6675, 80.4775

Rectangle

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



49.1242, 39.6675, 99.6752



58.5135, 39.6675, 47.2033



28.2049, 39.6675, 13.4916



22.5239, 39.6675, 39.4131

Sweetspot

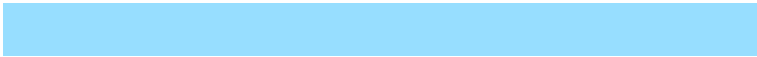
The Sweet Spot groups the original color and five complimentary colors.



49.1255, 39.6690, 99.6754



78.8778, 78.3075, 105.5653



56.9524, 66.0782, 104.3604



16.5360, 16.2997, 22.5246



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.



49.1255, 39.6690, 99.6754



42.8122, 31.8453, 98.4981



63.6873, 47.1758, 100.3569



17.5623, 17.6661, 22.7342



11.4513, 4.8138, 49.7602



1.2242, 0.5250, 4.8501

Inverse Universe

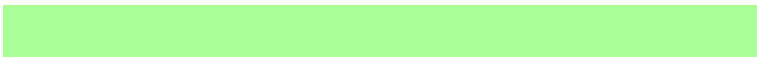
The Inverse Universe completely reimagines the original color for something new.



65.3583, 48.6147, 74.3454



61.3860, 42.1013, 68.6095



57.9387, 82.3083, 42.1130



18.5253, 18.1934, 21.3832



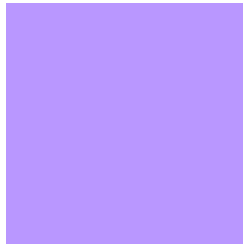
25.4929, 12.6865, 21.7779



2.5325, 1.2554, 2.3855

Previews

White Background



This preview shows how the XYZ color 49.1242, 39.6675, 99.6752 looks on a white background.

Color Contrast Check

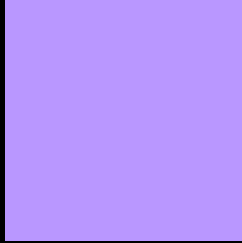
Large Text (above 18pt) WCAG AA × Fail

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 49.1242, 39.6675, 99.6752 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

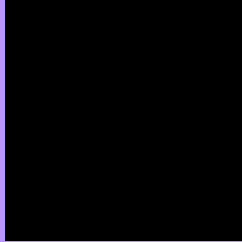
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.1242, 39.6675, 99.6752

Background



This preview shows how black text looks on a background with the XYZ color 49.1242, 39.6675, 99.6752.



This preview shows how white text looks on a background with the XYZ color 49.1242, 39.6675,

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

49.1242, 39.6675, 99.6752

Protanopia

42.1675, 39.8957, 100.0859

Deuteranopia

40.9309, 39.8758, 96.8063



Tritanopia

38.8515, 39.5906, 48.7741

Trichromacy



Original Color

49.1242, 39.6675, 99.6752

Protanomaly

44.3124, 39.6783, 99.9309

Deuteranomaly

43.2535, 39.4482, 97.4300

Tritanomaly

41.9119, 39.2248, 64.3936

Monochromacy



Original Color

49.1242, 39.6675, 99.6752

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 49.1242, 39.6675, 99.6752 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(185, 151, 255)` looks like.

```
.text, #text, p{  
    color:rgb(185, 151, 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(185, 151, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 151, 255) }
```

Border

The CSS property to change the border of an element to XYZ 49.1242, 39.6675, 99.6752 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(185, 151, 255) }
```


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

```
.border{ border-color:rgb(185, 151, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 151, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 151, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 151, 255);  
box-shadow:4px 4px 4px 4px rgb(185, 151,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1242, 39.6675, 99.6752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 151, 255) }
```

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

```
.background{ background-color: rgb(185,  
151, 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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