

Converting Colors

XYZ(48.9651, 39.3487, 99.6221)

Have a look what the booklet for
XYZ(48.9651, 39.3487, 99.6221)
contains.

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Color

**XYZ(48.9639, 39.3470,
99.6218)**

Conversions

Conversions Part 1

Format	Color
Hex	B996FF
RGB	185, 150, 255
RGB Percent	73%, 59%, 100%
CMY	0.2745, 0.4118, 0.0000
CMYK	0.27, 0.41, 0.00, 0.00
HSL	260°, 100%, 79%
HSV	260°, 41%, 100%
XYZ	48.9639, 39.3470, 99.6218
YIQ	172.4350, -12.8450, 40.0750

Conversions

Conversions Part 2

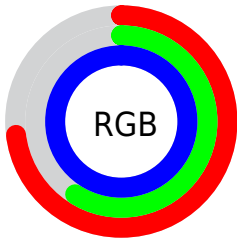
Format	Color
R_{YB}	185, 150, 255
Decimal	12162815
CIE _{Lab}	69.00, 34.43, -47.61
CIE _{LCh}	69, 58.753, 305.878
Yxy	39.3470, 0.2605, 0.2094
Android (android.graphics.Color)	4290352895 (0xFFB996FF)
YUV	172.4350, 40.7045, 11.0195
Hunter-Lab	62.7272, 29.5618, -50.2539

Details

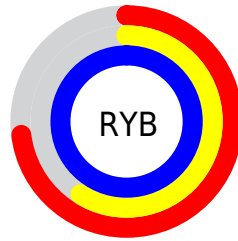
The XYZ color **48.9639, 39.3470, 99.6218** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **70.7806, 88.9378, 42.2918**, and the grayscale version is **39.2390, 41.2825, 44.9566**.

A 20% lighter version of the original color is **76.8435, 69.9373, 104.0569**, and **23.7081, 17.6680, 55.5868** is the 20% darker color. If you saturate the color by 10%, you get **41.4700, 30.0870, 98.2294**, and if you desaturate by 10%, it is **57.8361, 50.6333, 101.3326**.

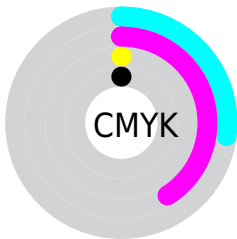
Distribution



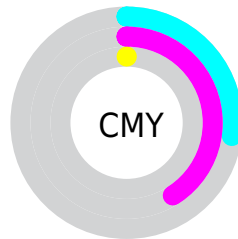
- Red (73%)
- Green (59%)
- Blue (100%)



- 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 48.9639, 39.3470, 99.6218 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 48.9639, 39.3470, 99.6218 by changing the saturation by 10% instead.


 48.9639, 39.3470,
99.6218


 48.9639, 39.3470,
99.6218


373.1195,
343.3635, 580.2158

 34.8053, 27.0298,
75.3696


 87.8389, 74.1681,
162.6847

 23.6787, 17.5956,
55.4122


 113.2859, 97.4408,
202.3325

 15.2189, 10.6600,
39.3310


143.2265,
125.1341, 247.9492

 9.0605, 5.8387,
26.7075

178.0259,
157.6324, 299.9534

 4.8381, 2.7473,
17.1232

218.0496,
195.3201, 358.7636

 2.1863, 1.0013,
10.1595

263.6628,

 0.7355, 0.0000,

238.5816, 424.7984

5.3978

315.2310,
287.8013, 498.4762

■ 0.0000, 0.0000,
2.4197

■ 0.0000, 0.0000,
0.7972

■ 48.9639, 39.3470,
99.6218

■ 48.9639, 39.3470,
99.6218

■ 41.4700, 30.0870,
98.2294

■ 57.8361, 50.6333,
101.3326

■ 35.2753, 22.7240,
97.1347

■ 68.1517, 64.0554,
103.3797

■ 30.2978, 17.1201,
96.3154

■ 79.9764, 79.7202,
105.7801

■ 26.4437, 13.1164,
95.7457

■ 93.3704, 97.7261,
108.5496

■ 23.6026, 10.5228,
95.3949

95.0500, 100.0000,
108.9000

■ 21.7965, 9.1514,
95.2253

Harmonies

Analogous

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



39.2709, 39.3470, 117.2533



48.9639, 39.3470, 99.6218



56.3386, 39.3470, 67.5386

Triad

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



48.9639, 39.3470, 99.6218



45.2433, 39.3470, 10.9239



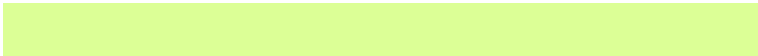
22.2045, 39.3470, 48.3381

Complementary

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



48.9639, 39.3470, 99.6218



70.7806, 88.9378, 42.2918

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.



23.2640, 39.3470, 25.0461



48.9639, 39.3470, 99.6218



35.5859, 39.3470, 9.3102

Square

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



48.9639, 39.3470, 99.6218



53.9521, 39.3470, 19.1844



27.8142, 39.3470, 13.1858



24.6325, 39.3470, 80.6891

Rectangle

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



48.9639, 39.3470, 99.6218



58.3659, 39.3470, 46.6540



27.8142, 39.3470, 13.1858



22.1706, 39.3470, 39.2438

Sweetspot

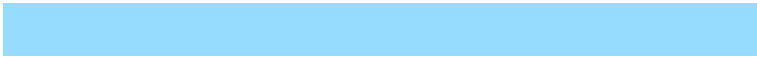
The Sweet Spot groups the original color and five complimentary colors.



48.9652, 39.3485, 99.6220



78.9424, 78.3408, 105.5683



56.2218, 64.8914, 104.1698



16.5511, 16.3075, 22.5253



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.



48.9652, 39.3485, 99.6220



42.9870, 31.9354, 98.5062



64.0493, 47.1246, 100.3279



17.5735, 17.6718, 22.7347



11.5297, 4.8543, 49.7639



1.2329, 0.5295, 4.8505

Inverse Universe

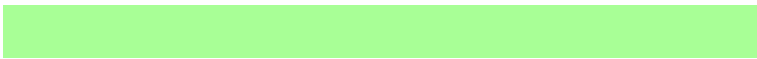
The Inverse Universe completely reimagines the original color for something new.



65.0652, 48.2411, 73.5926



61.2839, 42.0604, 68.0718



57.3081, 81.9925, 41.6613



18.5201, 18.1914, 21.3562



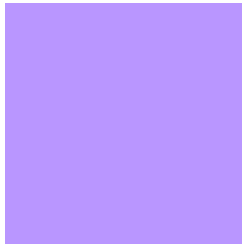
25.4121, 12.6542, 21.3526



2.5250, 1.2524, 2.3463

Previews

White Background



This preview shows how the XYZ color 48.9639, 39.3470, 99.6218 looks on a white background.

Color Contrast Check

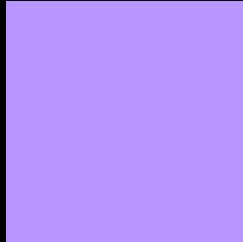
Large Text (above 18pt) WCAG AA × Fail

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 48.9639, 39.3470, 99.6218 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

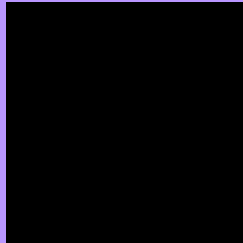
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.9639, 39.3470, 99.6218

Background



This preview shows how black text looks on a background with the XYZ color 48.9639, 39.3470, 99.6218.



This preview shows how white text looks on a background with the XYZ color 48.9639, 39.3470,

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

48.9639, 39.3470, 99.6218

Protanopia

41.8396, 39.7267, 100.0706

Deuteranopia

40.7753, 39.7956, 96.7990



Tritanopia

38.5675, 39.1850, 48.1786

Trichromacy



Original Color

48.9639, 39.3470, 99.6218

Protanomaly

43.9472, 39.2316, 99.8639

Deuteranomaly

43.0781, 39.0973, 97.3715

Tritanomaly

41.7378, 38.8767, 64.3356

Monochromacy



Original Color

48.9639, 39.3470, 99.6218

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

42.0676, 40.1623, 61.4120

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.9639, 39.3470, 99.6218 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, 150, 255)` looks like.

```
.text, #text, p{  
    color:rgb(185, 150, 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, 150, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 150, 255) }
```

Border

The CSS property to change the border of an element to XYZ 48.9639, 39.3470, 99.6218 is called "border". The border property can be set on classes, ids or directly on the HTML element.

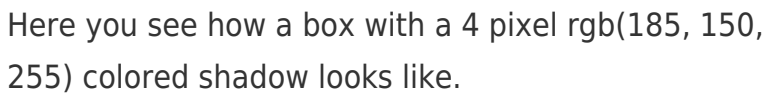
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(185, 150, 255) }
```


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

```
.border{ border-color:rgb(185, 150, 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, 150, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(185, 150, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(185, 150, 255); box-shadow:4px 4px 4px 4px rgb(185, 150, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 48.9639, 39.3470, 99.6218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 150, 255) }
```

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

```
.background{ background-color: rgb(185,  
150, 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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