

Converting Colors

XYZ(49.3935, 40.6421, 94.8639)

Have a look what the booklet for
XYZ(49.3935, 40.6421, 94.8639)
contains.

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Color

**XYZ(49.3935, 40.6421,
94.8639)**

Conversions

Conversions Part 1

Format	Color
Hex	BC9AF9
RGB	188, 154, 249
RGB Percent	74%, 60%, 98%
CMY	0.2627, 0.3961, 0.0235
CMYK	0.24, 0.38, 0.00, 0.02
HSL	261°, 89%, 79%
HSV	261°, 38%, 98%
XYZ	49.3935, 40.6421, 94.8639
YIQ	174.9960, -10.2310, 36.7530

Conversions

Conversions Part 2

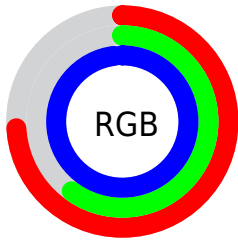
Format	Color
R _Y B	188, 154, 249
Decimal	12360441
CIE Lab	69.92, 31.62, -42.87
CIE LCh	70, 53.275, 306.413
Yxy	40.6421, 0.2671, 0.2198
Android (android.graphics.Color)	4290550521 (0xFFBC9AF9)
YUV	174.9960, 36.4840, 11.4045
Hunter-Lab	63.7512, 26.7348, -43.5997

Details

The XYZ color **49.3935, 40.6421, 94.8639** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **67.7337, 84.5324, 43.3198**, and the grayscale version is **40.5678, 42.6804, 46.4790**.

A 20% lighter version of the original color is **78.8565, 72.4138, 104.4288**, and **23.9387, 18.2951, 52.1388** is the 20% darker color. If you saturate the color by 10%, you get **41.9794, 31.3397, 93.4598**, and if you desaturate by 10%, it is **58.0993, 51.8773, 96.5744**.

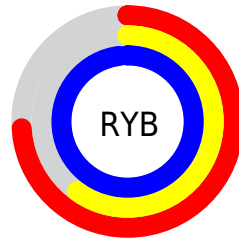
Distribution



Red (74%)

Green (60%)

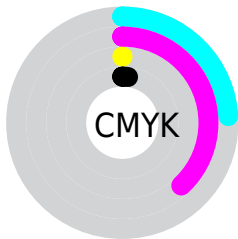
Blue (98%)



Red (74%)

Yellow (60%)

Blue (98%)

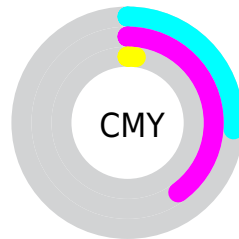


Cyan (24%)

Magenta (38%)

Yellow (0%)

Black (2%)



Cyan (26%)

Magenta (40%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.3935, 40.6421, 94.8639 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 49.3935, 40.6421, 94.8639 by changing the saturation by 10% instead.

 49.3935, 40.6421,
94.8639

 49.3935, 40.6421,
94.8639

374.7807,
348.8226, 564.7024

 35.1476, 28.0395,
71.4254


 88.4728, 76.1403,
156.0705

 23.9436, 18.3555,
52.2055


 114.0369, 99.8047,
194.6758

 15.4163, 11.2055,
36.7855


144.1044,
127.9252, 239.1737

 9.2003, 6.2052,
24.7470

179.0407,
160.8862, 289.9828

 4.9302, 2.9703,
15.6714

219.2111,
199.0720, 347.5217

 2.2407, 1.1162,
9.1401

264.9810,

 0.7641, 0.0000,

242.8671, 412.2089

4.7346

316.7158,
292.6558, 484.4630

■ 0.0000, 0.0000,
2.0364

■ 0.0000, 0.0000,
0.5775

■ 49.3935, 40.6421,
94.8639

■ 49.3935, 40.6421,
94.8639

■ 41.9794, 31.3397,
93.4598

■ 58.0993, 51.8773,
96.5744

■ 35.7852, 23.8518,
92.3410

■ 68.1543, 65.1445,
98.6052

■ 30.7385, 18.0542,
91.4879

■ 79.6179, 80.5418,
100.9730

■ 26.7563, 13.8044,
90.8775

■ 92.5443, 98.1594,
103.6923

■ 23.7426, 10.9352,
90.4825

■ 94.0990, 99.6196,
103.8922

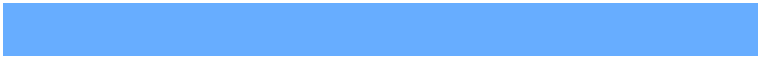
■ 21.5699, 9.2186,
90.2657

■ 21.2301, 8.9692,
90.2355

Harmonies

Analogous

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



40.5213, 40.6421, 110.6689



49.3935, 40.6421, 94.8639



56.0088, 40.6421, 66.2359

Triad

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



49.3935, 40.6421, 94.8639



45.6906, 40.6421, 13.3350



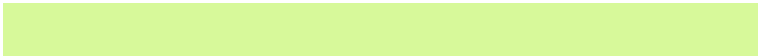
24.3186, 40.6421, 49.8023

Complementary

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



49.3935, 40.6421, 94.8639



67.7337, 84.5324, 43.3198

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.



25.2773, 40.6421, 27.7663



49.3935, 40.6421, 94.8639



36.7968, 40.6421, 11.7444

Square

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



49.3935, 40.6421, 94.8639



53.6572, 40.6421, 21.5319



29.5546, 40.6421, 15.8785



26.7069, 40.6421, 79.0722

Rectangle

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



49.3935, 40.6421, 94.8639



57.7692, 40.6421, 47.3065



29.5546, 40.6421, 15.8785



24.2660, 40.6421, 41.3325

Sweetspot

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



49.3950, 40.6437, 94.8648



80.4268, 80.1335, 105.8361



54.9184, 62.6946, 98.8300



16.8566, 16.6699, 22.5791



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.



49.3950, 40.6437, 94.8648



45.8438, 34.9761, 98.9426



62.8341, 47.5718, 95.4938



16.8693, 16.9452, 21.7669



11.5044, 4.8734, 48.3079



1.1765, 0.5086, 4.4793

Inverse Universe

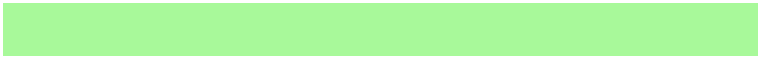
The Inverse Universe completely reimagines the original color for something new.



62.8893, 48.1586, 70.2718



62.2981, 44.1560, 68.2026



55.9114, 78.4377, 42.7665



17.7139, 17.4129, 20.3492



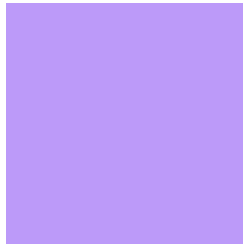
24.3732, 12.1650, 19.2056



2.3079, 1.1469, 2.0451

Previews

White Background



This preview shows how the XYZ color 49.3935, 40.6421, 94.8639 looks on a white background.

Color Contrast Check

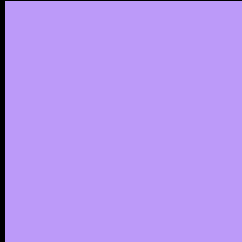
Large Text (above 18pt) WCAG AA × Fail

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 49.3935, 40.6421, 94.8639 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 49.3935, 40.6421, 94.8639

Background



This preview shows how black text looks on a background with the XYZ color 49.3935, 40.6421, 94.8639.



This preview shows how white text looks on a background with the XYZ color 49.3935, 40.6421,

94.8639.

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

49.3935, 40.6421, 94.8639

Protanopia

43.0371, 40.8880, 100.2316

Deuteranopia

41.9778, 40.7805, 92.8477



Tritanopia

40.2476, 40.5716, 49.4259

Trichromacy



Original Color

49.3935, 40.6421, 94.8639

Protanomaly

44.9274, 40.5553, 98.3885

Deuteranomaly

44.3620, 40.6372, 93.5013

Tritanomaly

43.0602, 40.3539, 63.9121

Monochromacy



Original Color

49.3935, 40.6421, 94.8639

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

43.3018, 41.6050, 61.6254

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.3935, 40.6421, 94.8639 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(188, 154, 249)` looks like.

```
.text, #text, p{  
    color:rgb(188, 154, 249)  
}
```

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(188, 154, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 154, 249) }
```

Border

The CSS property to change the border of an element to XYZ 49.3935, 40.6421, 94.8639 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(188, 154, 249) }
```


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

```
.border{ border-color:rgb(188, 154, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 154, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 154, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 154, 249);  
box-shadow:4px 4px 4px 4px rgb(188, 154,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 49.3935, 40.6421, 94.8639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 154, 249) }
```

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

```
.background{ background-color: rgb(188,  
154, 249) }
```

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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