

Converting Colors

XYZ(76.3327, 50.7041,
239.2269)

Have a look what the booklet for
XYZ(76.3327, 50.7041, 239.2269)
contains.

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Color

**XYZ(49.8556, 40.0446,
99.7094)**

Conversions

Conversions Part 1

Format	Color
Hex	BC97FF
RGB	188, 151, 255
RGB Percent	74%, 59%, 100%
CMY	0.2627, 0.4078, 0.0000
CMYK	0.26, 0.41, 0.00, 0.00
HSL	261°, 100%, 80%
HSV	261°, 41%, 100%
XYZ	49.8556, 40.0446, 99.7094
YIQ	173.9190, -11.3320, 40.1880

Conversions

Conversions Part 2

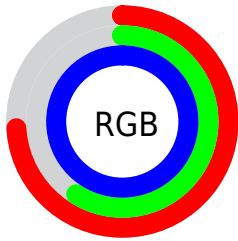
Format	Color
R_{YB}	188, 151, 255
Decimal	12359679
CIE _{Lab}	69.50, 34.70, -46.80
CIE _{LCh}	70, 58.261, 306.553
Yxy	40.0446, 0.2629, 0.2112
Android (android.graphics.Color)	4290549759 (0xFFBC97FF)
YUV	173.9190, 39.9729, 12.3490
Hunter-Lab	63.2808, 29.8893, -49.1247

Details

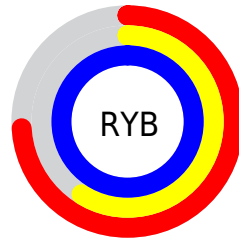
The XYZ color **49.8556, 40.0446, 99.7094** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **70.2598, 88.6600, 42.6897**, and the grayscale version is **39.9973, 42.0803, 45.8254**.

A 20% lighter version of the original color is **78.1273, 70.9554, 104.1858**, and **24.1706, 17.9064, 55.6084** is the 20% darker color. If you saturate the color by 10%, you get **42.3677, 30.7377, 98.3077**, and if you desaturate by 10%, it is **58.6943, 51.3668, 101.4290**.

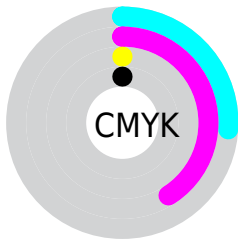
Distribution



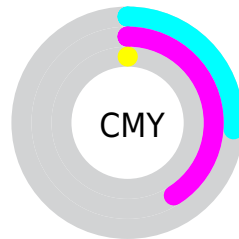
- Red (74%)
- Green (59%)
- Blue (100%)



- Red (74%)
- Yellow (59%)
- Blue (100%)



- Cyan (26%)
- Magenta (41%)
- Yellow (0%)
- Black (0%)





- Cyan (26%)
- Magenta (41%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.8556, 40.0446, 99.7094 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 49.8556, 40.0446, 99.7094 by changing the saturation by 10% instead.


 49.8556, 40.0446,
99.7094

 49.8556, 40.0446,
99.7094


376.5623,
346.3115, 580.4993

 35.5160, 27.5733,
75.4423


 89.1540, 75.2314,
162.8062

 24.2290, 18.0043,
55.4714


 114.8435, 98.7158,
202.4730

 15.6292, 10.9531,
39.3781

145.0470,
126.6399, 248.1101

 9.3514, 6.0353,
26.7439

180.1299,
159.3882, 300.1360

 5.0300, 2.8665,
17.1503

220.4575,
197.3452, 358.9694

 2.2998, 1.0625,
10.1786

266.3952,

 0.7946, 0.0000,

240.8951, 425.0287

5.4104

318.3084,
290.4224, 498.7325

■ 0.0000, 0.0000,
2.4271

■ 0.0000, 0.0000,
0.8011

■ 49.8556, 40.0446,
99.7094

■ 49.8556, 40.0446,
99.7094

■ 42.3677, 30.7377,
98.3077

■ 58.6943, 51.3668,
101.4290

■ 36.1534, 23.3182,
97.2031

■ 68.9471, 64.8127,
103.4839

■ 31.1333, 17.6499,
96.3736

■ 80.6777, 80.4879,
105.8913

■ 27.2159, 13.5758,
95.7937

■ 93.9448, 98.4897,
108.6667

■ 24.2942, 10.9088,
95.4329

95.0500, 100.0000,
108.9000

■ 22.3371, 9.4301,
95.2506

Harmonies

Analogous

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



40.1586, 40.0446, 117.7647



49.8556, 40.0446, 99.7094



57.1395, 40.0446, 67.5762

Triad

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



49.8556, 40.0446, 99.7094



45.7049, 40.0446, 11.2921



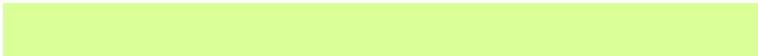
22.7972, 40.0446, 49.7715

Complementary

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



49.8556, 40.0446, 99.7094



70.2598, 88.6600, 42.6897

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.



23.7865, 40.0446, 26.0969



49.8556, 40.0446, 99.7094



36.0381, 40.0446, 9.7691

Square

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



49.8556, 40.0446, 99.7094



54.4810, 40.0446, 19.4915



28.2911, 40.0446, 13.8628



25.3243, 40.0446, 82.2058

Rectangle

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



49.8556, 40.0446, 99.7094



59.0723, 40.0446, 46.7845



28.2911, 40.0446, 13.8628



22.7367, 40.0446, 40.5667

Sweetspot

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



49.8569, 40.0461, 99.7097



79.1690, 78.4576, 105.5789



56.0408, 64.2549, 104.0565



16.6042, 16.3349, 22.5278



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.



49.8569, 40.0461, 99.7097



43.6074, 32.2552, 98.5353



64.8492, 47.7749, 100.4113



17.6128, 17.6921, 22.7366



11.8183, 5.0031, 49.7774



1.2644, 0.5457, 4.8520

Inverse Universe

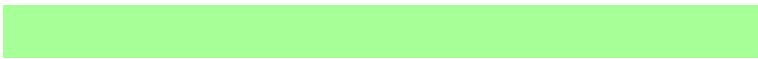
The Inverse Universe completely reimagines the original color for something new.



64.9622, 48.4564, 72.2593



60.9303, 41.9190, 66.2098



57.1988, 81.9268, 42.0784



18.5022, 18.1842, 21.2618



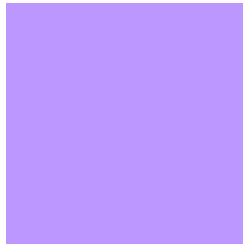
25.1370, 12.5441, 19.9036



2.4996, 1.2422, 2.2122

Previews

White Background



This preview shows how the XYZ color 49.8556, 40.0446, 99.7094 looks on a white background.

Color Contrast Check

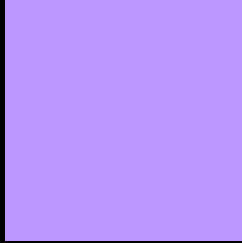
Large Text (above 18pt) WCAG AA × Fail

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 49.8556, 40.0446, 99.7094 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

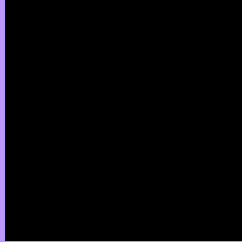
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.8556, 40.0446, 99.7094

Background



This preview shows how black text looks on a background with the XYZ color 49.8556, 40.0446, 99.7094.



This preview shows how white text looks on a background with the XYZ color 49.8556, 40.0446,

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

49.8556, 40.0446, 99.7094

Protanopia

42.5162, 40.3464, 100.1545

Deuteranopia

41.4321, 40.4093, 96.8829



Tritanopia

39.5125, 39.9314, 48.8050

Trichromacy



Original Color

49.8556, 40.0446, 99.7094

Protanomaly

44.6995, 39.8778, 99.9490

Deuteranomaly

43.8174, 39.7390, 97.4564

Tritanomaly

42.5978, 39.5784, 64.4257

Monochromacy



Original Color

49.8556, 40.0446, 99.7094

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

43.0061, 41.1679, 62.1795

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8556, 40.0446, 99.7094 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, 151, 255)` looks like.

```
.text, #text, p{  
    color:rgb(188, 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(188, 151, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 151, 255) }
```

Border

The CSS property to change the border of an element to XYZ 49.8556, 40.0446, 99.7094 is called "border". The border property can be set on classes, ids or directly on the HTML element.

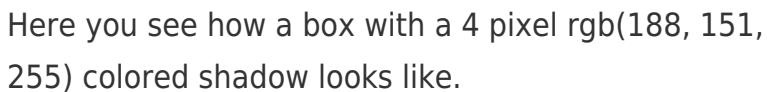
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(188, 151, 255) }
```


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

```
.border{ border-color:rgb(188, 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(188, 151, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(188, 151, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(188, 151, 255); box-shadow:4px 4px 4px 4px rgb(188, 151, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8556, 40.0446, 99.7094 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 151, 255) }
```

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

```
.background{ background-color: rgb(188,  
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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