

Converting Colors

XYZ(49.4856, 40.3357, 99.7851)

Have a look what the booklet for
XYZ(49.4856, 40.3357, 99.7851)
contains.

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Color

**XYZ(49.4488, 40.3168,
99.7834)**

Conversions

Conversions Part 1

Format	Color
Hex	B999FF
RGB	185, 153, 255
RGB Percent	73%, 60%, 100%
CMY	0.2745, 0.4000, 0.0000
CMYK	0.27, 0.40, 0.00, 0.00
HSL	259°, 100%, 80%
HSV	259°, 40%, 100%
XYZ	49.4488, 40.3168, 99.7834
YIQ	174.1960, -13.6700, 38.5060

Conversions

Conversions Part 2

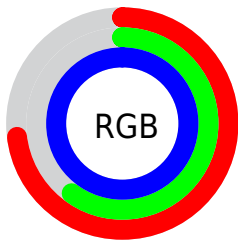
Format	Color
RYB	185, 153, 255
Decimal	12163583
CIELab	69.69, 32.77, -46.52
CIElCh	70, 56.898, 305.160
Yxy	40.3168, 0.2609, 0.2127
Android (android.graphics.Color)	4290353663 (0xFFB999FF)
YUV	174.1960, 39.8364, 9.4751
Hunter-Lab	63.4955, 27.8944, -48.7276

Details

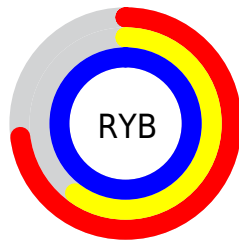
The XYZ color **49.4488, 40.3168, 99.7834** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **71.9417, 89.5081, 43.6236**, and the grayscale version is **40.1408, 42.2312, 45.9898**.

A 20% lighter version of the original color is **77.5680, 71.3864, 104.2984**, and **23.9000, 18.0517, 55.6507** is the 20% darker color. If you saturate the color by 10%, you get **41.7475, 30.7996, 98.3523**, and if you desaturate by 10%, it is **58.5642, 51.8884, 101.5365**.

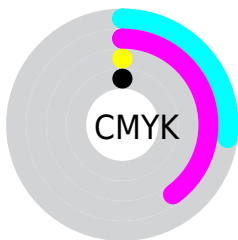
Distribution



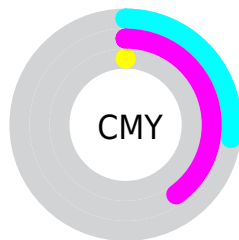
- Red (73%)
- Green (60%)
- Blue (100%)



- Red (73%)
- Yellow (60%)
- Blue (100%)



- Cyan (27%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)





- Cyan (27%)
- Magenta (40%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.4488, 40.3168, 99.7834 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 49.4488, 40.3168, 99.7834 by changing the saturation by 10% instead.

 49.4488, 40.3168,
99.7834


 49.4488, 40.3168,
99.7834


374.9942,
347.4570, 580.7388

 35.1916, 27.7856,
75.5038


 88.5544, 75.6457,
162.9088

 23.9777, 18.1641,
55.5215


 114.1335, 99.2122,
202.5916

 15.4418, 11.0679,
39.4180

144.2173,
127.2259, 248.2459

 9.2183, 6.1125,
26.7747

179.1712,
160.0713, 300.2903

 4.9421, 2.9136,
17.1732

219.3604,
198.1327, 359.1432

 2.2477, 1.0868,
10.1948

265.1504,

 0.7677, 0.0000,

241.7945, 425.2232

5.4210

316.9066,
291.4412, 498.9489

■ 0.0000, 0.0000,
2.4333

■ 0.0000, 0.0000,
0.8045

■ 49.4488, 40.3168,
99.7834

■ 49.4488, 40.3168,
99.7834

■ 41.7475, 30.7996,
98.3523

■ 58.5642, 51.8884,
101.5365

■ 35.3800, 23.2078,
97.2226

■ 69.1598, 65.6235,
103.6292

■ 30.2639, 17.4048,
96.3721

■ 81.3020, 81.6289,
106.0786

■ 26.3047, 13.2331,
95.7756

95.0500, 100.0000,
108.9000

■ 23.3921, 10.5061,
95.4027

■ 21.3586, 8.9257,
95.2049

■ 21.3584, 8.9255,
95.2048

Harmonies

Analogous

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



39.9348, 40.3168, 116.2565



49.4488, 40.3168, 99.7834



56.7410, 40.3168, 68.8349

Triad

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



49.4488, 40.3168, 99.7834



46.2505, 40.3168, 12.0851



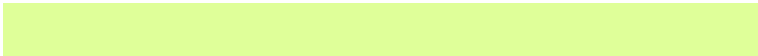
23.2508, 40.3168, 48.6194

Complementary

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



49.4488, 40.3168, 99.7834



71.9417, 89.5081, 43.6236

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.



24.3916, 40.3168, 25.8543



49.4488, 40.3168, 99.7834



36.7492, 40.3168, 10.2842

Square

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



49.4488, 40.3168, 99.7834



54.6969, 40.3168, 20.6909



29.0002, 40.3168, 14.1200



25.5893, 40.3168, 80.0586

Rectangle

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



49.4488, 40.3168, 99.7834



58.8119, 40.3168, 48.3174



29.0002, 40.3168, 14.1200



23.2446, 40.3168, 39.7569

Sweetspot

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



49.4501, 40.3183, 99.7836



78.7450, 78.2390, 105.5591



57.9511, 67.5198, 104.5860



16.5049, 16.2837, 22.5231



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.



49.4501, 40.3183, 99.7836



43.1776, 32.5437, 98.6136



63.5711, 47.5979, 100.4445



17.5392, 17.6542, 22.7331



11.2951, 4.7333, 49.7529



1.2068, 0.5161, 4.8493

Inverse Universe

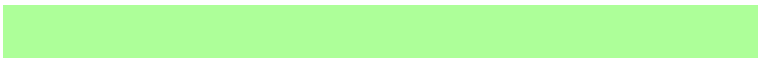
The Inverse Universe completely reimagines the original color for something new.



65.9512, 49.3714, 75.8660



62.0452, 42.9147, 70.3859



58.8329, 82.7503, 43.0101



18.5359, 18.1977, 21.4389



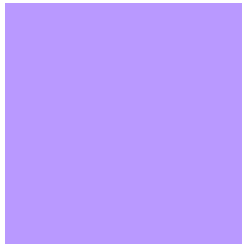
25.6624, 12.7543, 22.6705



2.5481, 1.2616, 2.4675

Previews

White Background



This preview shows how the XYZ color 49.4488, 40.3168, 99.7834 looks on a white background.

Color Contrast Check

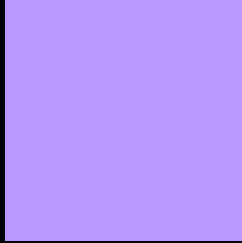
Large Text (above 18pt) WCAG AA × Fail

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 49.4488, 40.3168, 99.7834 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

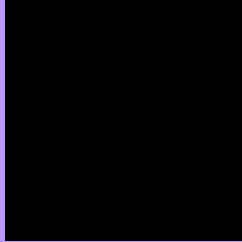
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.4488, 40.3168, 99.7834

Background



This preview shows how black text looks on a background with the XYZ color 49.4488, 40.3168, 99.7834.



This preview shows how white text looks on a background with the XYZ color 49.4488, 40.3168,

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

49.4488, 40.3168, 99.7834

Protanopia

42.6839, 40.4329, 100.1624

Deuteranopia

41.7503, 40.5551, 97.7229



Tritanopia

39.4261, 40.4113, 49.9781

Trichromacy



Original Color

49.4488, 40.3168, 99.7834

Protanomaly

44.6806, 40.1286, 99.9984

Deuteranomaly

43.9637, 40.0585, 98.3434

Tritanomaly

42.5103, 40.0279, 65.8072

Monochromacy



Original Color

49.4488, 40.3168, 99.7834

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

42.7758, 41.0492, 62.1687

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.4488, 40.3168, 99.7834 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, 153, 255)` looks like.

```
.text, #text, p{  
    color:rgb(185, 153, 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, 153, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 153, 255) }
```

Border

The CSS property to change the border of an element to XYZ 49.4488, 40.3168, 99.7834 is called "border". The border property can be set on classes, ids or directly on the HTML element.

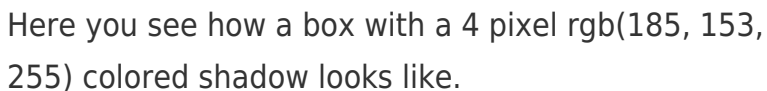
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(185, 153, 255) }
```


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

```
.border{ border-color:rgb(185, 153, 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, 153, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(185, 153, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(185, 153, 255); box-shadow:4px 4px 4px 4px rgb(185, 153, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 49.4488, 40.3168, 99.7834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 153, 255) }
```

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

```
.background{ background-color: rgb(185,  
153, 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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