

Converting Colors

XYZ(49.1603, 40.3046, 99.7963)

Have a look what the booklet for
XYZ(49.1603, 40.3046, 99.7963)
contains.

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Color

**XYZ(49.1340, 40.3985,
99.8158)**

Conversions

Conversions Part 1

Format	Color
Hex	B79AFF
RGB	183, 154, 255
RGB Percent	72%, 60%, 100%
CMY	0.2823, 0.3961, 0.0000
CMYK	0.28, 0.40, 0.00, 0.00
HSL	257°, 100%, 80%
HSV	257°, 40%, 100%
XYZ	49.1340, 40.3985, 99.8158
YIQ	174.1850, -15.1370, 37.5590

Conversions

Conversions Part 2

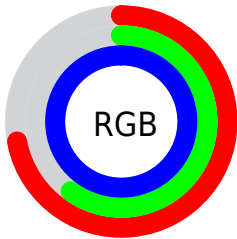
Format	Color
R_{YB}	183, 154, 255
Decimal	12032767
CIE _{Lab}	69.75, 31.66, -46.44
CIE _{LCh}	70, 56.204, 304.286
Yxy	40.3985, 0.2595, 0.2134
Android (android.graphics.Color)	4290222847 (0xFFB79AFF)
YUV	174.1850, 39.8418, 7.7308
Hunter-Lab	63.5598, 26.7572, -48.6185

Details

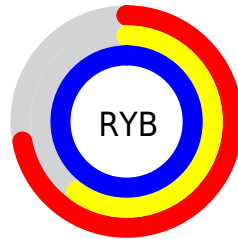
The XYZ color **49.1340, 40.3985, 99.8158** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **72.9572, 90.0220, 44.1041**, and the grayscale version is **40.1356, 42.2258, 45.9839**.

A 20% lighter version of the original color is **77.1261, 71.5217, 104.3478**, and **23.6968, 18.0920, 55.6692** is the 20% darker color. If you saturate the color by 10%, you get **41.3157, 30.7706, 98.3695**, and if you desaturate by 10%, it is **58.4073, 52.1050, 101.5866**.

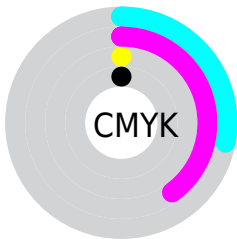
Distribution



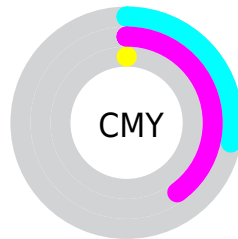
- Red (72%)
- Green (60%)
- Blue (100%)



- Red (72%)
- Yellow (60%)
- Blue (100%)



- Cyan (28%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)



- Cyan (28%)
- Magenta (40%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.1340, 40.3985, 99.8158 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 49.1340, 40.3985, 99.8158 by changing the saturation by 10% instead.

■ 49.1340, 40.3985,
99.8158

■ 49.1340, 40.3985,
99.8158

373.7778,
347.8003, 580.8436

■ 34.9408, 27.8494,
75.5307

■ 88.0900, 75.7700,
162.9537

■ 23.7835, 18.2122,
55.5434

■ 113.5834, 99.3611,
202.6436

■ 15.2970, 11.1024,
39.4354

143.5743,
127.4017, 248.3054

■ 9.1158, 6.1358,
26.7882

178.4280,
160.2761, 300.3578

■ 4.8745, 2.9278,
17.1832

218.5098,
198.3688, 359.2193

■ 2.2078, 1.0942,
10.2018

264.1852,

■ 0.7468, 0.0000,

242.0641, 425.3084

5.4256

315.8194,
291.7465, 499.0436

■ 0.0000, 0.0000,
2.4360

■ 0.0000, 0.0000,
0.8060

■ 49.1340, 40.3985,
99.8158

■ 49.1340, 40.3985,
99.8158

■ 41.3157, 30.7706,
98.3695

■ 58.4073, 52.1050,
101.5866

■ 34.8700, 23.0916,
97.2270

■ 69.2038, 66.0002,
103.6996

■ 29.7120, 17.2241,
96.3663

■ 81.5919, 82.1914,
106.1719

■ 25.7448, 13.0100,
95.7620

95.0500, 100.0000,
108.9000

■ 22.8555, 10.2624,
95.3840

■ 20.8799, 8.6950,
95.1856

■ 20.8143, 8.6450,
95.1794

Harmonies

Analogous

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



39.7215, 40.3985, 115.3704



49.1340, 40.3985, 99.8158



56.4396, 40.3985, 69.5397

Triad

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



49.1340, 40.3985, 99.8158



46.5098, 40.3985, 12.5031



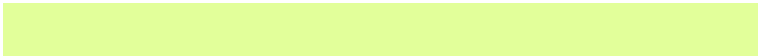
23.4453, 40.3985, 47.8436

Complementary

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



49.1340, 40.3985, 99.8158



72.9572, 90.0220, 44.1041

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.



24.6795, 40.3985, 25.6143



49.1340, 40.3985, 99.8158



37.1034, 40.3985, 10.5301

Square

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



49.1340, 40.3985, 99.8158



54.7642, 40.3985, 21.3479



29.3515, 40.3985, 14.1948



25.6674, 40.3985, 78.7291

Rectangle

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



49.1340, 40.3985, 99.8158



58.5965, 40.3985, 49.1731



29.3515, 40.3985, 14.1948



23.4727, 40.3985, 39.1792

Sweetspot

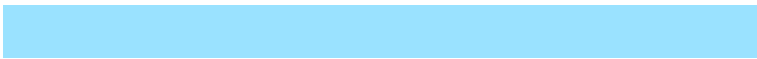
The Sweet Spot groups the original color and five complimentary colors.



49.1353, 40.4000, 99.8160



78.4784, 78.1016, 105.5466



58.6781, 68.6923, 104.7740



16.4424, 16.2515, 22.5202



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.



49.1353, 40.4000, 99.8160



42.4771, 32.1826, 98.5808



63.2488, 47.6758, 100.4765



17.4929, 17.6303, 22.7310



11.0024, 4.5824, 49.7392



1.1735, 0.4989, 4.8477

Inverse Universe

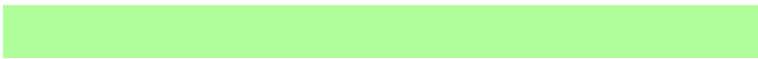
The Inverse Universe completely reimagines the original color for something new.



66.5237, 49.8634, 78.0702



62.4719, 43.0853, 72.6330



59.4718, 83.0700, 43.4730



18.5572, 18.2062, 21.5515



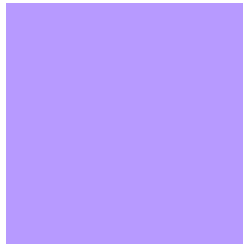
26.0166, 12.8959, 24.5357



2.5804, 1.2745, 2.6378

Previews

White Background



This preview shows how the XYZ color 49.1340, 40.3985, 99.8158 looks on a white background.

Color Contrast Check

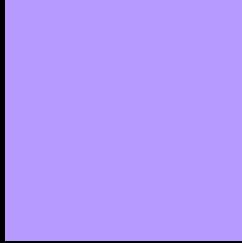
Large Text (above 18pt) WCAG AA × Fail

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 49.1340, 40.3985, 99.8158 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

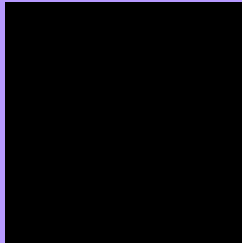
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.1340, 40.3985, 99.8158

Background



This preview shows how black text looks on a background with the XYZ color 49.1340, 40.3985, 99.8158.



This preview shows how white text looks on a background with the XYZ color 49.1340, 40.3985,

99.8158.

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

49.1340, 40.3985, 99.8158

Protanopia

42.8678, 40.8007, 100.2237

Deuteranopia

41.7503, 40.5551, 97.7229



Tritanopia

39.0974, 40.2298, 50.5042

Trichromacy



Original Color

49.1340, 40.3985, 99.8158

Protanomaly

44.8575, 40.4823, 100.0574

Deuteranomaly

43.9540, 40.3182, 98.3941

Tritanomaly

42.2396, 40.1530, 65.8456

Monochromacy



Original Color

49.1340, 40.3985, 99.8158

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

42.7297, 41.2963, 62.2188

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1340, 40.3985, 99.8158 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(183, 154, 255)` looks like.

```
.text, #text, p{  
    color:rgb(183, 154, 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(183, 154, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 154, 255) }
```

Border

The CSS property to change the border of an element to XYZ 49.1340, 40.3985, 99.8158 is called "border". The border property can be set on classes, ids or directly on the HTML element.

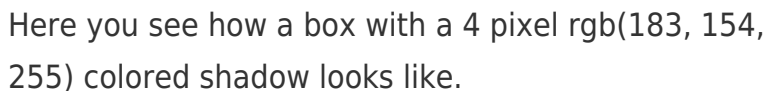
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(183, 154, 255) }
```


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

```
.border{ border-color:rgb(183, 154, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(183, 154, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(183, 154, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(183, 154, 255); box-shadow:4px 4px 4px 4px rgb(183, 154, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1340, 40.3985, 99.8158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 154, 255) }
```

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

```
.background{ background-color: rgb(183,  
154, 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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