

Converting Colors

XYZ(49.8552, 42.1910, 96.4641)

Have a look what the booklet for
XYZ(49.8552, 42.1910, 96.4641)
contains.

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Color

**XYZ(49.8183, 42.0756,
96.7625)**

Conversions

Conversions Part 1

Format	Color
Hex	B99FFB
RGB	185, 159, 251
RGB Percent	73%, 62%, 98%
CMY	0.2745, 0.3765, 0.0157
CMYK	0.26, 0.37, 0.00, 0.02
HSL	257°, 92%, 80%
HSV	257°, 37%, 98%
XYZ	49.8183, 42.0756, 96.7625
YIQ	177.2620, -14.0360, 34.1240

Conversions

Conversions Part 2

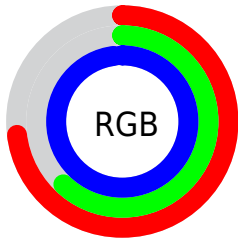
Format	Color
RYB	185, 159, 251
Decimal	12165115
CIELab	70.92, 28.47, -42.42
CIELCh	71, 51.086, 303.868
Yxy	42.0756, 0.2641, 0.2230
Android (android.graphics.Color)	4290355195 (0xFFB99FFB)
YUV	177.2620, 36.3528, 6.7862
Hunter-Lab	64.8657, 23.5770, -43.0390

Details

The XYZ color **49.8183, 42.0756, 96.7625** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **71.8075, 87.5060, 45.9082**, and the grayscale version is **41.7491, 43.9233, 47.8324**.

A 20% lighter version of the original color is **79.0587, 74.3678, 104.7953**, and **24.2012, 19.1563, 53.4609** is the 20% darker color. If you saturate the color by 10%, you get **41.8601, 32.2037, 95.2772**, and if you desaturate by 10%, it is **59.2060, 53.9870, 98.5676**.

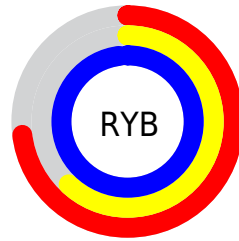
Distribution



Red (73%)

Green (62%)

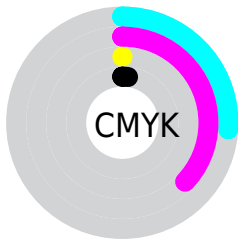
Blue (98%)



Red (73%)

Yellow (62%)

Blue (98%)

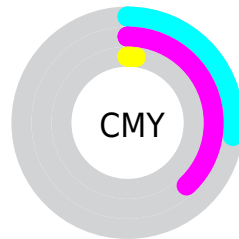


Cyan (26%)

Magenta (37%)

Yellow (0%)

Black (2%)



Cyan (27%)

Magenta (38%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.8183, 42.0756, 96.7625 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 49.8183, 42.0756, 96.7625 by changing the saturation by 10% instead.

49.8183, 42.0756,
96.7625

49.8183, 42.0756,
96.7625

376.4187,
354.7962, 570.9200

35.4863, 29.1605,
72.9978

89.0990, 78.3140,
158.7138

24.2059, 19.2023,
53.4824

114.7784,
102.4061, 197.7375

15.6120, 11.8165,
37.7976

144.9710,
130.9927, 242.6846

9.3391, 6.6189,
25.5250

180.0421,
164.4581, 293.9736

5.0219, 3.2249,
16.2461

220.3570,
203.1868, 352.0231

2.2950, 1.2503,
9.5422

266.2812,

0.7921, 0.1022,

247.5631, 417.2517

4.9949

318.1800,
297.9715, 490.0778

■ 0.0000, 0.0000,
2.1856

■ 0.0000, 0.0000,
0.6660

■ 49.8183, 42.0756,
96.7625

■ 49.8183, 42.0756,
96.7625

■ 41.8601, 32.2037,
95.2772

■ 59.2060, 53.9870,
98.5676

■ 35.2530, 24.2491,
94.0900

■ 70.0869, 68.0407,
100.7067

■ 29.9176, 18.0837,
93.1812

■ 82.5264, 84.3385,
103.1969

■ 25.7635, 13.5616,
92.5273

■ 94.4127, 99.7451,
105.5442

■ 22.6869, 10.5123,
92.1009

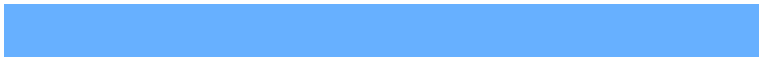
■ 20.5616, 8.7238,
91.8677

■ 20.0066, 8.3023,
91.8156

Harmonies

Analogous

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



41.1054, 42.0756, 110.2558



49.8183, 42.0756, 96.7625



56.5493, 42.0756, 69.7004

Triad

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



49.8183, 42.0756, 96.7625



47.6378, 42.0756, 15.3111



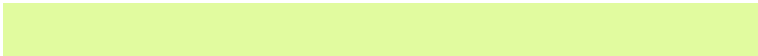
25.7899, 42.0756, 49.0471

Complementary

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



49.8183, 42.0756, 96.7625



71.8075, 87.5060, 45.9082

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.



27.0296, 42.0756, 28.1217



49.8183, 42.0756, 96.7625



38.8981, 42.0756, 13.1652

Square

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



49.8183, 42.0756, 96.7625



55.1703, 42.0756, 24.3501



31.5503, 42.0756, 16.8843



27.8885, 42.0756, 77.1958

Rectangle

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



49.8183, 42.0756, 96.7625



58.5613, 42.0756, 51.0018



31.5503, 42.0756, 16.8843



25.8320, 42.0756, 40.9890

Sweetspot

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



49.8198, 42.0772, 96.7635



79.7258, 79.7721, 105.8033



59.0354, 68.9841, 101.4713



16.6903, 16.5842, 22.5713



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.



49.8198, 42.0772, 96.7635



45.4117, 35.8622, 99.1364



62.2955, 48.5087, 97.3473



16.7436, 16.8805, 21.7611



10.6383, 4.4269, 48.2673



1.0842, 0.4610, 4.4750

Inverse Universe

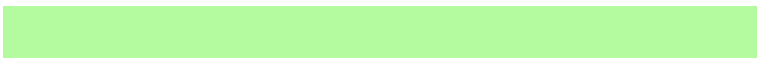
The Inverse Universe completely reimagines the original color for something new.



65.7735, 50.7432, 77.5629



64.3910, 46.1883, 75.5394



59.6877, 81.2580, 45.3410



17.7716, 17.4360, 20.6529



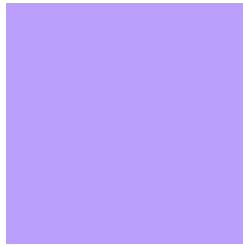
25.3113, 12.5402, 24.1454



2.3896, 1.1796, 2.4752

Previews

White Background



This preview shows how the XYZ color 49.8183, 42.0756, 96.7625 looks on a white background.

Color Contrast Check

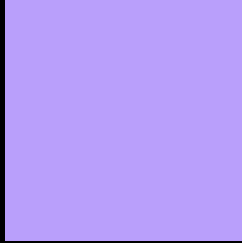
Large Text (above 18pt) WCAG AA × Fail

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 49.8183, 42.0756, 96.7625 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

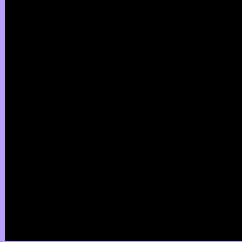
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.8183, 42.0756, 96.7625

Background



This preview shows how black text looks on a background with the XYZ color 49.8183, 42.0756, 96.7625.



This preview shows how white text looks on a background with the XYZ color 49.8183, 42.0756,

96.7625.

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

49.8183, 42.0756, 96.7625

Protanopia

44.2900, 42.3656, 100.4508

Deuteranopia

43.3729, 42.3021, 94.6861



Tritanopia

40.8490, 41.9345, 52.3956

Trichromacy



Original Color

49.8183, 42.0756, 96.7625

Protanomaly

46.2053, 42.2668, 99.4890

Deuteranomaly

45.4148, 41.9506, 95.3262

Tritanomaly

43.5830, 41.6377, 66.7126

Monochromacy



Original Color

49.8183, 42.0756, 96.7625

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

44.0962, 42.8124, 63.0662

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8183, 42.0756, 96.7625 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, 159, 251)` looks like.

```
.text, #text, p{  
    color:rgb(185, 159, 251)  
}
```

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, 159, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 159, 251) }
```

Border

The CSS property to change the border of an element to XYZ 49.8183, 42.0756, 96.7625 is called "border". The border property can be set on classes, ids or directly on the HTML element.

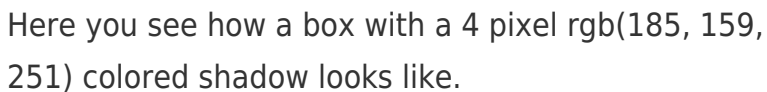
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(185, 159, 251) }
```


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

```
.border{ border-color:rgb(185, 159, 251) }
```

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



Here you see how a box with a 4 pixel `rgb(185, 159, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 159, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 159, 251);  
box-shadow:4px 4px 4px 4px rgb(185, 159,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8183, 42.0756, 96.7625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 159, 251) }
```

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

```
.background{ background-color: rgb(185,  
159, 251) }
```

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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