

Converting Colors

XYZ(51.0988, 42.1491, 99.5745)

Have a look what the booklet for
XYZ(51.0988, 42.1491, 99.5745)
contains.

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Color

**XYZ(50.9326, 42.0885,
99.2054)**

Conversions

Conversions Part 1

Format	Color
Hex	BD9DFE
RGB	189, 157, 254
RGB Percent	74%, 62%, 100%
CMY	0.2588, 0.3843, 0.0039
CMYK	0.26, 0.38, 0.00, 0.00
HSL	260°, 98%, 81%
HSV	260°, 38%, 100%
XYZ	50.9326, 42.0885, 99.2054
YIQ	177.6260, -12.0650, 36.9510

Conversions

Conversions Part 2

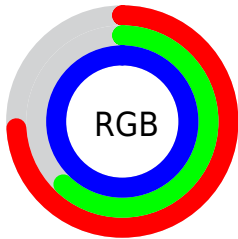
Format	Color
R_{YB}	189, 157, 254
Decimal	12426750
CIE _{Lab}	70.93, 31.41, -44.01
CIE _{LCh}	71, 54.070, 305.521
Yxy	42.0885, 0.2650, 0.2190
Android (android.graphics.Color)	4290616830 (0xFFBD9DFE)
YUV	177.6260, 37.6524, 9.9750
Hunter-Lab	64.8757, 26.6045, -45.2511

Details

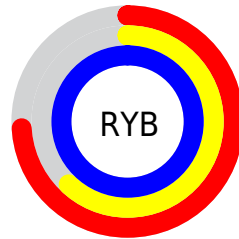
The XYZ color **50.9326, 42.0885, 99.2054** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **71.6528, 88.8485, 45.2728**, and the grayscale version is **41.9329, 44.1167, 48.0431**.

A 20% lighter version of the original color is **79.9513, 74.0811, 104.6929**, and **24.9611, 19.2027, 55.2142** is the 20% darker color. If you saturate the color by 10%, you get **43.0965, 32.3197, 97.7336**, and if you desaturate by 10%, it is **60.1604, 53.9025, 101.0001**.

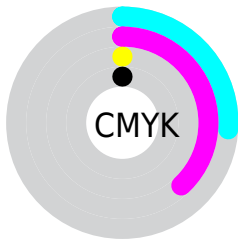
Distribution



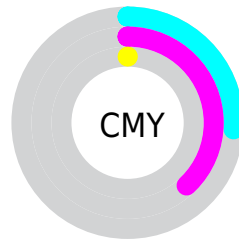
- Red (74%)
- Green (62%)
- Blue (100%)



- Red (74%)
- Yellow (62%)
- Blue (100%)



- Cyan (26%)
- Magenta (38%)
- Yellow (0%)
- Black (0%)





- Cyan (26%)
- Magenta (38%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.9326, 42.0885, 99.2054 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 50.9326, 42.0885, 99.2054 by changing the saturation by 10% instead.


 50.9326, 42.0885,
99.2054


 50.9326, 42.0885,
99.2054


380.6938,
354.8497, 578.8670

 36.3758, 29.1706,
75.0239


 90.7387, 78.3335,
162.1071

 24.8960, 19.2099,
55.1306


 116.7187,
102.4295, 201.6645

 16.1279, 11.8221,
39.1070


147.2372,
131.0202, 247.1842

 9.7061, 6.6226,
26.5345

182.6595,
164.4901, 299.0848

 5.2653, 3.2272,
16.9946

223.3510,
203.2237, 357.7848

 2.4401, 1.2515,
10.0687

269.6769,

 0.8652, 0.1032,

247.6052, 423.7028

5.3383

322.0028,
298.0190, 497.2574

■ 0.0000, 0.0000,
2.3849

■ 0.0000, 0.0000,
0.7782

■ 50.9326, 42.0885,
99.2054

■ 50.9326, 42.0885,
99.2054

■ 43.0965, 32.3197,
97.7336

■ 60.1604, 53.9025,
101.0001

■ 36.5748, 24.4706,
96.5623

■ 70.8426, 67.8669,
103.1325

■ 31.2889, 18.4097,
95.6710

■ 83.0434, 84.0857,
105.6200

■ 27.1490, 13.9859,
95.0353

94.8895, 99.9358,
108.0550

■ 24.0512, 11.0216,
94.6264

■ 21.8587, 9.2762,
94.4051

■ 21.5274, 9.0312,
94.3753

Harmonies

Analogous

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



41.6934, 42.0885, 115.0409



50.9326, 42.0885, 99.2054



57.9253, 42.0885, 69.6024

Triad

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



50.9326, 42.0885, 99.2054



47.6170, 42.0885, 13.8870



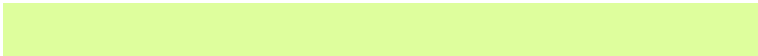
25.1239, 42.0885, 50.7668

Complementary

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



50.9326, 42.0885, 99.2054



71.6528, 88.8485, 45.2728

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.



26.2221, 42.0885, 28.1956



50.9326, 42.0885, 99.2054



38.3606, 42.0885, 12.0656

Square

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



50.9326, 42.0885, 99.2054



55.8187, 42.0885, 22.6292



30.7622, 42.0885, 16.1530



27.4997, 42.0885, 81.1046

Rectangle

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



50.9326, 42.0885, 99.2054



59.8713, 42.0885, 49.8101



30.7622, 42.0885, 16.1530



25.1038, 42.0885, 42.0625

Sweetspot

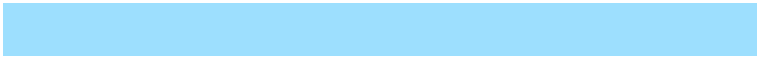
The Sweet Spot groups the original color and five complimentary colors.



50.9341, 42.0902, 99.2064



80.1652, 79.9986, 105.8239



58.2588, 67.2521, 103.6771



16.7945, 16.6379, 22.5762



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.



50.9341, 42.0902, 99.2064



45.0900, 34.5875, 98.9073



64.6116, 49.1412, 99.8465



17.5674, 17.6687, 22.7345



11.4874, 4.8324, 49.7619



1.2282, 0.5271, 4.8503

Inverse Universe

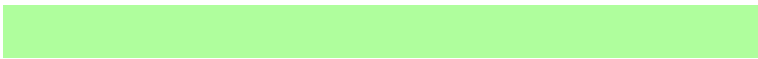
The Inverse Universe completely reimagines the original color for something new.



66.1160, 50.4601, 75.3633



62.7193, 44.3245, 70.4209



59.1595, 82.4079, 44.6882



18.5229, 18.1925, 21.3707



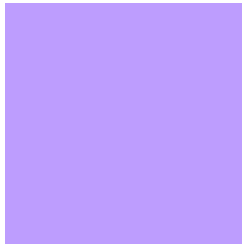
25.4554, 12.6714, 21.5803



2.5290, 1.2540, 2.3673

Previews

White Background



This preview shows how the XYZ color 50.9326, 42.0885, 99.2054 looks on a white background.

Color Contrast Check

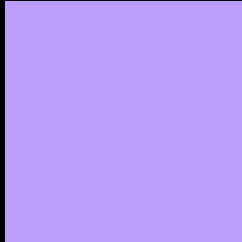
Large Text (above 18pt) WCAG AA × Fail

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 50.9326, 42.0885, 99.2054 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

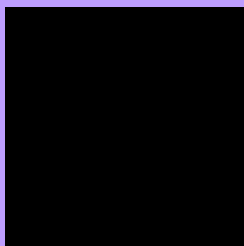
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.9326, 42.0885, 99.2054

Background



This preview shows how black text looks on a background with the XYZ color 50.9326, 42.0885, 99.2054.



This preview shows how white text looks on a background with the XYZ color 50.9326, 42.0885,

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

50.9326, 42.0885, 99.2054

Protanopia

44.2900, 42.3656, 100.4508

Deuteranopia

43.4928, 42.3097, 97.1411



Tritanopia

41.2244, 41.8587, 51.8057

Trichromacy



Original Color

50.9326, 42.0885, 99.2054

Protanomaly

46.3842, 42.0695, 100.2833

Deuteranomaly

45.8866, 42.1393, 97.8107

Tritanomaly

44.3251, 41.7493, 66.6950

Monochromacy



Original Color

50.9326, 42.0885, 99.2054

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

44.8067, 43.1508, 64.3599

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.9326, 42.0885, 99.2054 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(189, 157, 254)` looks like.

```
.text, #text, p{  
    color:rgb(189, 157, 254)  
}
```

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(189, 157, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 157, 254) }
```

Border

The CSS property to change the border of an element to XYZ 50.9326, 42.0885, 99.2054 is called "border". The border property can be set on classes, ids or directly on the HTML element.

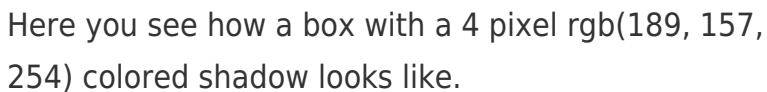
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(189, 157, 254) }
```


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

```
.border{ border-color:rgb(189, 157, 254) }
```

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



Here you see how a box with a 4 pixel `rgb(189, 157, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(189, 157, 254); -webkit-box-shadow:4px 4px 4px 4px rgb(189, 157, 254); box-shadow:4px 4px 4px 4px rgb(189, 157, 254) }
```

Background

The CSS property to change the background color of an element to XYZ 50.9326, 42.0885, 99.2054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 157, 254) }
```

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

```
.background{ background-color: rgb(189,  
157, 254) }
```

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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