

Converting Colors

XYZ(50.4511, 42.7558, 94.2722)

Have a look what the booklet for
XYZ(50.4511, 42.7558, 94.2722)
contains.

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Color

**XYZ(50.5003, 42.7377,
94.3945)**

Conversions

Conversions Part 1

Format	Color
Hex	BDA0F8
RGB	189, 160, 248
RGB Percent	74%, 63%, 97%
CMY	0.2588, 0.3725, 0.0274
CMYK	0.24, 0.35, 0.00, 0.03
HSL	260°, 86%, 80%
HSV	260°, 35%, 97%
XYZ	50.5003, 42.7377, 94.3945
YIQ	178.7030, -10.9640, 33.5160

Conversions

Conversions Part 2

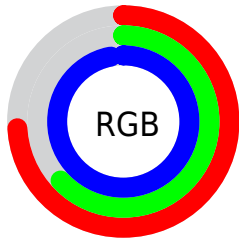
Format	Color
R _{YB}	189, 160, 248
Decimal	12427512
CIE Lab	71.38, 28.35, -40.05
CIE LCh	71, 49.070, 305.287
Yxy	42.7377, 0.2691, 0.2278
Android (android.graphics.Color)	4290617592 (0xFFBDA0F8)
YUV	178.7030, 34.1634, 9.0305
Hunter-Lab	65.3741, 23.4834, -39.8478

Details

The XYZ color **50.5003, 42.7377, 94.3945** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **69.1271, 84.7339, 45.9713**, and the grayscale version is **42.5192, 44.7336, 48.7148**.

A 20% lighter version of the original color is **80.3565, 75.4137, 104.9288**, and **24.5980, 19.5550, 51.7683** is the 20% darker color. If you saturate the color by 10%, you get **42.7316, 32.9754, 92.9204**, and if you desaturate by 10%, it is **59.6024, 54.4621, 96.1785**.

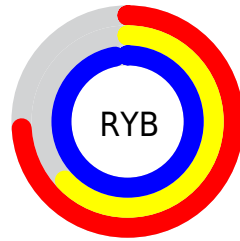
Distribution



Red (74%)

Green (63%)

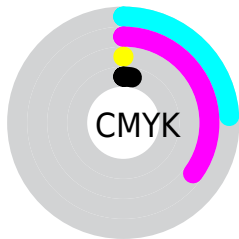
Blue (97%)



Red (74%)

Yellow (63%)

Blue (97%)

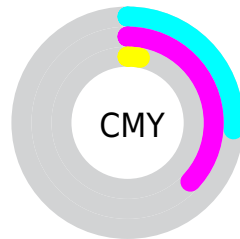


Cyan (24%)

Magenta (35%)

Yellow (0%)

Black (3%)



Cyan (26%)

Magenta (37%)

Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.5003, 42.7377, 94.3945 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 50.5003, 42.7377, 94.3945 by changing the saturation by 10% instead.


 50.5003, 42.7377,
94.3945


 50.5003, 42.7377,
94.3945


379.0389,
357.5319, 563.1595

 36.0305, 29.6794,
71.0370


 90.1031, 79.3149,
155.4162

 24.6280, 19.5953,
51.8904


 115.9668,
103.6025, 193.9175

 15.9274, 12.1012,
36.5361


146.3592,
132.4021, 238.3038

 9.5633, 6.8127,
24.5555

181.6457,
166.0979, 288.9936

 5.1704, 3.3452,
15.5302

222.1915,
205.0744, 346.4056

 2.3834, 1.3145,
9.0416

268.3621,

 0.8368, 0.1524,

249.7160, 410.9582

4.6711

320.5228,
300.4070, 483.0700

■ 0.0000, 0.0000,
2.0003

■ 0.0000, 0.0000,
0.5555

■ 50.5003, 42.7377,
94.3945

■ 50.5003, 42.7377,
94.3945

■ 42.7316, 32.9754,
92.9204

■ 59.6024, 54.4621,
96.1785

■ 36.2246, 25.0593,
91.7354

■ 70.0954, 68.2454,
98.2859

■ 30.9073, 18.8691,
90.8208

■ 82.0391, 84.1839,
100.7329

■ 26.6978, 14.2676,
90.1545

■ 93.9434, 99.5574,
103.0728

■ 23.5023, 11.0953,
89.7106

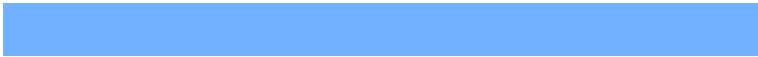
■ 21.2082, 9.1571,
89.4574

■ 20.3995, 8.5590,
89.3846

Harmonies

Analogous

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



42.1014, 42.7377, 108.0851



50.5003, 42.7377, 94.3945



56.8184, 42.7377, 68.2512

Triad

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



50.5003, 42.7377, 94.3945



47.6271, 42.7377, 16.2441



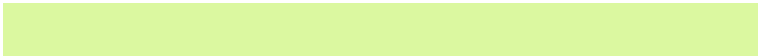
26.7735, 42.7377, 50.8506

Complementary

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



50.5003, 42.7377, 94.3945



69.1271, 84.7339, 45.9713

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.



27.8375, 42.7377, 29.9947



50.5003, 42.7377, 94.3945



39.1755, 42.7377, 14.3537

Square

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



50.5003, 42.7377, 94.3945



55.0083, 42.7377, 24.8992



32.1221, 42.7377, 18.4109



28.9901, 42.7377, 78.0538

Rectangle

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



50.5003, 42.7377, 94.3945



58.5881, 42.7377, 50.3715



32.1221, 42.7377, 18.4109



26.7630, 42.7377, 42.8967

Sweetspot

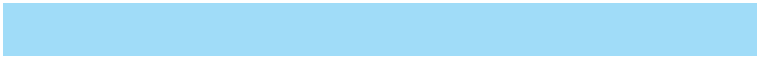
The Sweet Spot groups the original color and five complimentary colors.



50.5018, 42.7394, 94.3955



80.1619, 79.9969, 105.8237



57.0700, 65.5087, 98.4442



16.7937, 16.6375, 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.



50.5018, 42.7394, 94.3955



47.3989, 37.4604, 99.3401



62.7508, 49.0540, 94.9687



16.8218, 16.9208, 21.7647



11.1510, 4.6912, 48.2913



1.1396, 0.4896, 4.4776

Inverse Universe

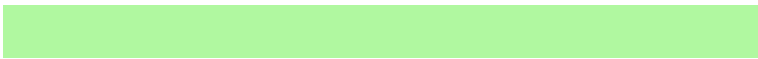
The Inverse Universe completely reimagines the original color for something new.



64.0696, 50.2141, 73.3345



64.1874, 46.7253, 72.5607



57.8485, 78.9196, 45.4434



17.7356, 17.4216, 20.4632



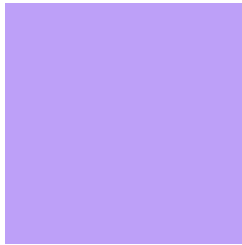
24.7111, 12.3002, 20.9850



2.3376, 1.1588, 2.2012

Previews

White Background



This preview shows how the XYZ color 50.5003, 42.7377, 94.3945 looks on a white background.

Color Contrast Check

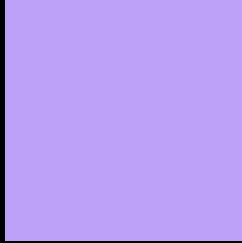
Large Text (above 18pt) WCAG AA × Fail

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 50.5003, 42.7377, 94.3945 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

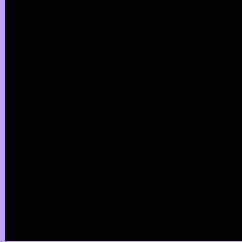
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.5003, 42.7377, 94.3945

Background



This preview shows how black text looks on a background with the XYZ color 50.5003, 42.7377, 94.3945.



This preview shows how white text looks on a background with the XYZ color 50.5003, 42.7377,

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

50.5003, 42.7377, 94.3945

Protanopia

44.8351, 42.9281, 100.5306

Deuteranopia

44.0027, 42.9637, 92.3598



Tritanopia

42.1666, 42.8973, 52.5120

Trichromacy



Original Color

50.5003, 42.7377, 94.3945

Protanomaly

46.4736, 42.7149, 97.8908

Deuteranomaly

45.9470, 42.5516, 92.9804

Tritanomaly

44.8027, 42.5538, 66.1739

Monochromacy



Original Color

50.5003, 42.7377, 94.3945

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

45.1800, 43.9320, 63.2252

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.5003, 42.7377, 94.3945 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, 160, 248)` looks like.

```
.text, #text, p{  
    color:rgb(189, 160, 248)  
}
```

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, 160, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 160, 248) }
```

Border

The CSS property to change the border of an element to XYZ 50.5003, 42.7377, 94.3945 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, 160, 248) }
```


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

```
.border{ border-color:rgb(189, 160, 248) }
```

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

Here you see how a box with a 4 pixel rgb(189, 160, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 160, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 160, 248);  
box-shadow:4px 4px 4px 4px rgb(189, 160,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 50.5003, 42.7377, 94.3945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 160, 248) }
```

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

```
.background{ background-color: rgb(189,  
160, 248) }
```

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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