

Converting Colors

XYZ(42.4848, 33.2119, 93.7459)

Have a look what the booklet for
XYZ(42.4848, 33.2119, 93.7459)
contains.

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Color

**XYZ(42.4067, 33.1659,
93.7891)**

Conversions

Conversions Part 1

Format	Color
Hex	A989F9
RGB	169, 137, 249
RGB Percent	66%, 54%, 98%
CMY	0.3372, 0.4627, 0.0235
CMYK	0.32, 0.45, 0.00, 0.02
HSL	257°, 90%, 76%
HSV	257°, 45%, 98%
XYZ	42.4067, 33.1659, 93.7891
YIQ	159.3360, -16.8800, 41.6160

Conversions

Conversions Part 2

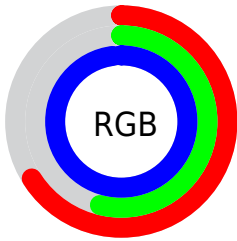
Format	Color
R_{YB}	169, 137, 249
Decimal	11110905
CIE _{Lab}	64.30, 35.96, -51.86
CIE _{LCh}	64, 63.106, 304.743
Yxy	33.1659, 0.2504, 0.1958
Android (android.graphics.Color)	4289300985 (0xFFA989F9)
YUV	159.3360, 44.2044, 8.4753
Hunter-Lab	57.5898, 30.6575, -56.2450

Details

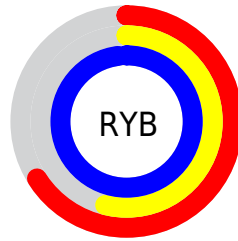
The XYZ color **42.4067, 33.1659, 93.7891** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **67.0068, 84.3098, 36.4098**, and the grayscale version is **32.9190, 34.6333, 37.7157**.

A 20% lighter version of the original color is **68.3594, 60.8125, 102.7428**, and **19.6523, 13.9721, 51.5303** is the 20% darker color. If you saturate the color by 10%, you get **35.7075, 25.0508, 92.5764**, and if you desaturate by 10%, it is **50.4442, 43.1843, 95.2998**.

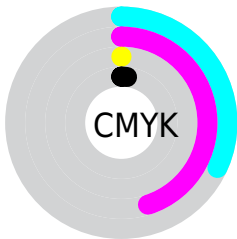
Distribution



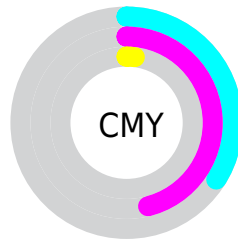
- Red (66%)
- Green (54%)
- Blue (98%)



- Red (66%)
- Yellow (54%)
- Blue (98%)



- Cyan (32%)
- Magenta (45%)
- Yellow (0%)
- Black (2%)



- Cyan (34%)
- Magenta (46%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.4067, 33.1659, 93.7891 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 42.4067, 33.1659, 93.7891 by changing the saturation by 10% instead.

42.4067, 33.1659,
93.7891

42.4067, 33.1659,
93.7891

347.1291,
316.3966, 561.1661

29.6124, 22.2536,
70.5362

78.0761, 64.6345,
154.5718

19.6912, 14.0433,
51.4843

101.6819, 85.9595,
192.9387

12.2777, 8.1508,
36.2148

129.6222,
111.5242, 237.1807

7.0066, 4.1916,
24.3091

162.2624,
141.7129, 287.7163

3.5126, 1.7813,
15.3488

199.9678,
176.9102, 344.9642

1.4303, 0.4755,
8.9152

243.1038,

0.2777, 0.0000,

217.5003, 409.3427

4.5898

292.0358,
263.8676, 481.2705

■ 0.0000, 0.0000,
1.9542

■ 0.0000, 0.0000,
0.5269

■ 42.4067, 33.1659,
93.7891

■ 42.4067, 33.1659,
93.7891

■ 35.7075, 25.0508,
92.5764

■ 50.4442, 43.1843,
95.2998

■ 30.2649, 18.7107,
91.6395

■ 59.8872, 55.2154,
97.1244

■ 25.9937, 14.0067,
90.9567

■ 70.8029, 69.3648,
99.2802

■ 22.7952, 10.7769,
90.5018

■ 83.2530, 85.7292,
101.7826

■ 20.5513, 8.8237,
90.2431

■ 94.0990, 99.6196,
103.8921

■ 19.7082, 8.1847,
90.1642

Harmonies

Analogous

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



32.9706, 33.1659, 111.0693



42.4067, 33.1659, 93.7891



49.8313, 33.1659, 61.5469

Triad

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



42.4067, 33.1659, 93.7891



39.4678, 33.1659, 7.3316



17.2723, 33.1659, 40.3514

Complementary

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



42.4067, 33.1659, 93.7891



67.0068, 84.3098, 36.4098

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.



18.3585, 33.1659, 18.8736



42.4067, 33.1659, 93.7891



30.1187, 33.1659, 5.8690

Square

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



42.4067, 33.1659, 93.7891



47.9213, 33.1659, 14.6464



22.6820, 33.1659, 8.8346



19.3709, 33.1659, 72.2001

Rectangle

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



42.4067, 33.1659, 93.7891



52.0005, 33.1659, 40.8282



22.6820, 33.1659, 8.8346



17.2813, 33.1659, 31.7738

Sweetspot

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



42.4080, 33.1671, 93.7899



77.1904, 76.4254, 105.2910



52.2980, 61.9222, 98.8189



15.9325, 15.5876, 22.4189



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.



42.4080, 33.1671, 93.7899



38.2816, 27.1450, 97.8296



57.0137, 40.6967, 94.4734



16.7488, 16.8831, 21.7613



10.6696, 4.4431, 48.2688



1.0877, 0.4628, 4.4752

Inverse Universe

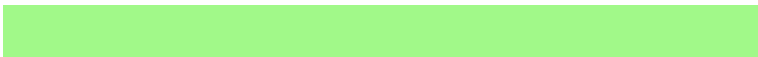
The Inverse Universe completely reimagines the original color for something new.



60.5377, 43.0418, 70.7630



59.9865, 38.9927, 69.0974



53.1437, 77.1631, 35.7610



17.7692, 17.4350, 20.6403



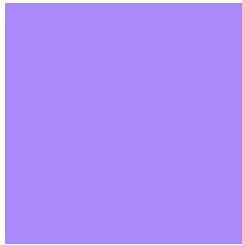
25.2699, 12.5237, 23.9274



2.3861, 1.1782, 2.4564

Previews

White Background



This preview shows how the XYZ color 42.4067, 33.1659, 93.7891 looks on a white background.

Color Contrast Check

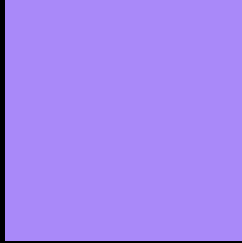
Large Text (above 18pt) WCAG AA × Fail

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 42.4067, 33.1659, 93.7891 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

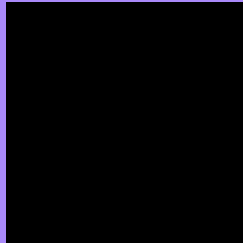
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.4067, 33.1659, 93.7891

Background



This preview shows how black text looks on a background with the XYZ color 42.4067, 33.1659, 93.7891.



This preview shows how white text looks on a background with the XYZ color 42.4067, 33.1659,

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

42.4067, 33.1659, 93.7891

Protanopia

36.3807, 33.5799, 99.1718

Deuteranopia

34.4333, 33.4953, 91.0366



Tritanopia

31.7381, 32.9452, 41.7321

Trichromacy



Original Color

42.4067, 33.1659, 93.7891

Protanomaly

37.9949, 33.0276, 97.3009

Deuteranomaly

36.5879, 32.8945, 91.6097

Tritanomaly

34.7685, 32.4801, 57.2601

Monochromacy



Original Color

42.4067, 33.1659, 93.7891

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

35.6853, 33.7255, 54.4980

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4067, 33.1659, 93.7891 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(169, 137, 249)` looks like.

```
.text, #text, p{  
    color:rgb(169, 137, 249)  
}
```

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(169, 137, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 137, 249) }
```

Border

The CSS property to change the border of an element to XYZ 42.4067, 33.1659, 93.7891 is called "border". The border property can be set on classes, ids or directly on the HTML element.

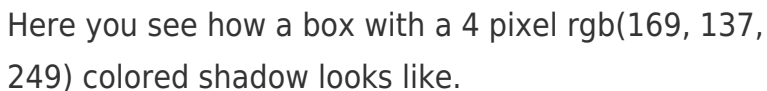
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(169, 137, 249) }
```


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

```
.border{ border-color:rgb(169, 137, 249) }
```

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



Here you see how a box with a 4 pixel `rgb(169, 137, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(169, 137, 249); -webkit-box-shadow:4px 4px 4px 4px rgb(169, 137, 249); box-shadow:4px 4px 4px 4px rgb(169, 137, 249) }
```

Background

The CSS property to change the background color of an element to XYZ 42.4067, 33.1659, 93.7891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 137, 249) }
```

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

```
.background{ background-color: rgb(169,  
137, 249) }
```

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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