

Converting Colors

XYZ(39.9954, 32.4057, 71.8571)

Have a look what the booklet for
XYZ(39.9954, 32.4057, 71.8571)
contains.

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Color

**XYZ(39.9954, 32.4057,
71.8571)**

Conversions

Conversions Part 1

Format	Color
Hex	B189DC
RGB	177, 137, 220
RGB Percent	69%, 54%, 86%
CMY	0.3059, 0.4627, 0.1373
CMYK	0.20, 0.38, 0.00, 0.14
HSL	269°, 54%, 70%
HSV	269°, 38%, 86%
XYZ	39.9954, 32.4057, 71.8571
YIQ	158.4220, -2.8030, 34.2930

Conversions

Conversions Part 2

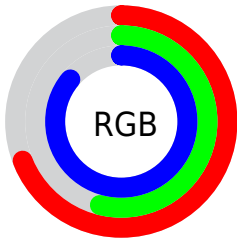
Format	Color
RYB	177, 137, 220
Decimal	11635164
CIELab	63.68, 31.25, -36.75
CIElCh	64, 48.240, 310.369
Yxy	32.4057, 0.2772, 0.2246
Android (android.graphics.Color)	4289825244 (0xFFB189DC)
YUV	158.4220, 30.3580, 16.2929
Hunter-Lab	56.9260, 25.7910, -34.9929

Details

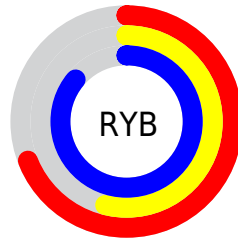
The XYZ color **39.9954, 32.4057, 71.8571** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **48.9318, 62.6965, 33.1908**, and the grayscale version is **32.5592, 34.2548, 37.3035**.

A 20% lighter version of the original color is **70.6125, 61.9740, 102.8482**, and **18.2877, 13.5831, 37.2553** is the 20% darker color. If you saturate the color by 10%, you get **34.6927, 25.4939, 70.8030**, and if you desaturate by 10%, it is **46.1548, 40.7070, 73.1353**.

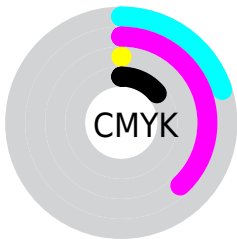
Distribution



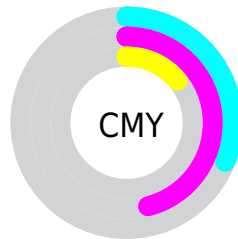
- Red (69%)
- Green (54%)
- Blue (86%)



- Red (69%)
- Yellow (54%)
- Blue (86%)



- Cyan (20%)
- Magenta (38%)
- Yellow (0%)
- Black (14%)





- Cyan (31%)
- Magenta (46%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.9954, 32.4057, 71.8571 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 39.9954, 32.4057, 71.8571 by changing the saturation by 10% instead.


 39.9954, 32.4057,
71.8571


 39.9954, 32.4057,
71.8571


337.2389,
312.9632, 486.0082


 27.7192, 21.6716,
52.5558


 74.4409, 63.4466,
123.5592

 18.2534, 13.6158,
37.0630


 97.3408, 84.5221,
156.7971

 11.2329, 7.8539,
24.9601


 124.5128,
109.8135, 195.5176

 6.2921, 4.0016,
15.8286

156.3220,
139.7052, 240.1392

 3.0659, 1.6745,
9.2499

193.1338,
174.5817, 291.0806

 1.1887, 0.4070,
4.8055

235.3137,

 0.0974, 0.0000,

214.8272, 348.7602

2.0769

283.2270,
260.8263, 413.5965

■ 0.0000, 0.0000,
0.6019

■ 0.0000, 0.0000,
0.0000

■ 39.9954, 32.4057,
71.8571

■ 39.9954, 32.4057,
71.8571

■ 34.6927, 25.4939,
70.8030

■ 46.1548, 40.7070,
73.1353

■ 30.1989, 19.8870,
69.9576

■ 53.2083, 50.4680,
74.6476

■ 26.4666, 15.4969,
69.3070

■ 61.1950, 61.7586,
76.4060

■ 23.4409, 12.2225,
68.8344

■ 70.1506, 74.6431,
78.4209

■ 21.0582, 9.9455,
68.5205

■ 80.1087, 89.1819,
80.7023

■ 19.2324, 8.5029,
68.3383

■ 86.4700, 96.1696,
81.7158

■ 18.8653, 8.2331,
68.3055

■ 89.9184, 97.9473,
81.8772

Harmonies

Analogous

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



33.1963, 32.4057, 85.9328



39.9954, 32.4057, 71.8571



44.7140, 32.4057, 49.3034

Triad

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



39.9954, 32.4057, 71.8571



35.3701, 32.4057, 10.5767



19.7163, 32.4057, 42.4066

Complementary

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



39.9954, 32.4057, 71.8571



48.9318, 62.6965, 33.1908

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.



20.1219, 32.4057, 24.2117



39.9954, 32.4057, 71.8571



28.5231, 32.4057, 9.8960

Square

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



39.9954, 32.4057, 71.8571



41.7852, 32.4057, 16.2690



23.1356, 32.4057, 13.8653



21.9325, 32.4057, 65.2518

Rectangle

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



39.9954, 32.4057, 71.8571



45.6879, 32.4057, 35.0453



23.1356, 32.4057, 13.8653



19.5595, 32.4057, 35.5244

Sweetspot

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



39.9965, 32.4070, 71.8578



81.5998, 80.7381, 105.8910



39.8140, 43.6431, 74.0362



17.1355, 16.8137, 22.5922



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.



39.9965, 32.4070, 71.8578



50.1132, 37.7251, 99.2482



50.5494, 37.8472, 72.3517



12.9329, 12.9235, 16.4650



11.1991, 4.8975, 40.0935



0.8247, 0.3684, 2.6021

Inverse Universe

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



46.7000, 36.4034, 47.7461



61.0447, 44.2453, 59.7816



40.8855, 58.5485, 32.8143



13.3363, 13.1636, 15.0322



19.1605, 9.6652, 10.4913



1.2848, 0.6436, 0.9087

Previews

White Background



This preview shows how the XYZ color 39.9954, 32.4057, 71.8571 looks on a white background.

Color Contrast Check

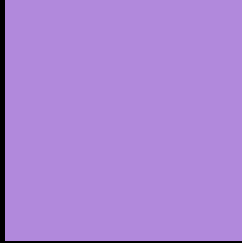
Large Text (above 18pt) WCAG AA × Fail

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 39.9954, 32.4057, 71.8571 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

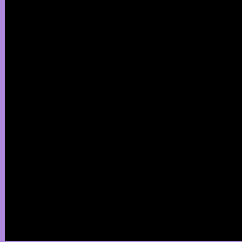
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.9954, 32.4057, 71.8571

Background



This preview shows how black text looks on a background with the XYZ color 39.9954, 32.4057, 71.8571.



This preview shows how white text looks on a background with the XYZ color 39.9954, 32.4057,

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

39.9954, 32.4057, 71.8571

Protanopia

34.5461, 32.7947, 80.8532

Deuteranopia

33.4313, 32.6978, 70.1949



Tritanopia

33.1168, 32.2836, 38.2041

Trichromacy



Original Color

39.9954, 32.4057, 71.8571

Protanomaly

36.1144, 32.4886, 77.7663

Deuteranomaly

35.3013, 32.2253, 70.6892

Tritanomaly

35.3635, 32.2861, 48.6240

Monochromacy



Original Color

39.9954, 32.4057, 71.8571

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

34.7639, 33.1482, 48.2821

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.9954, 32.4057, 71.8571 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(177, 137, 220)` looks like.

```
.text, #text, p{  
    color:rgb(177, 137, 220)  
}
```

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(177, 137, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 137, 220) }
```

Border

The CSS property to change the border of an element to XYZ 39.9954, 32.4057, 71.8571 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(177, 137, 220) }
```


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

```
.border{ border-color:rgb(177, 137, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 137, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 137, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 137, 220);  
box-shadow:4px 4px 4px 4px rgb(177, 137,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 39.9954, 32.4057, 71.8571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 137, 220) }
```

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

```
.background{ background-color: rgb(177,  
137, 220) }
```

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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