

Converting Colors

XYZ(58.8889, 40.8363,
138.7699)

Have a look what the booklet for
XYZ(58.8889, 40.8363, 138.7699)
contains.

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Color

**XYZ(51.4956, 37.9535,
99.2194)**

Conversions

Conversions Part 1

Format	Color
Hex	CA8AFF
RGB	202, 138, 255
RGB Percent	79%, 54%, 100%
CMY	0.2078, 0.4588, 0.0000
CMYK	0.21, 0.46, 0.00, 0.00
HSL	273°, 100%, 77%
HSV	273°, 46%, 100%
XYZ	51.4956, 37.9535, 99.2194
YIQ	170.4740, 0.5870, 49.9550

Conversions

Conversions Part 2

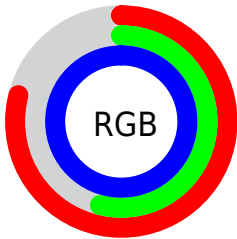
Format	Color
R_{YB}	202, 138, 255
Decimal	13273855
CIE _{Lab}	67.99, 45.60, -49.09
CIE _{LCh}	68, 67.007, 312.888
Yxy	37.9535, 0.2729, 0.2012
Android (android.graphics.Color)	4291463935 (0xFFCA8AFF)
YUV	170.4740, 41.6713, 27.6483
Hunter-Lab	61.6064, 41.3935, -52.3642

Details

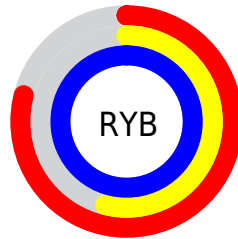
The XYZ color **51.4956, 37.9535, 99.2194** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **61.8338, 84.4316, 37.0841**, and the grayscale version is **38.2444, 40.2361, 43.8171**.

A 20% lighter version of the original color is **78.3600, 66.6199, 103.3367**, and **25.1979, 16.7525, 55.3316** is the 20% darker color. If you saturate the color by 10%, you get **45.2481, 29.9252, 97.9990**, and if you desaturate by 10%, it is **58.8383, 47.8227, 100.7373**.

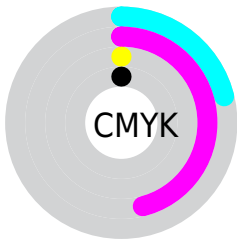
Distribution



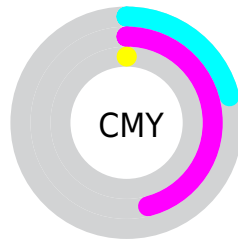
- Red (79%)
- Green (54%)
- Blue (100%)



- Red (79%)
- Yellow (54%)
- Blue (100%)



- Cyan (21%)
- Magenta (46%)
- Yellow (0%)
- Black (0%)





- Cyan (21%)
- Magenta (46%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.4956, 37.9535, 99.2194 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 51.4956, 37.9535, 99.2194 by changing the saturation by 10% instead.

 51.4956, 37.9535,
99.2194


 51.4956, 37.9535,
99.2194


382.8423,
337.4205, 578.9124

 36.8258, 25.9466,
75.0355


 91.5656, 72.0369,
162.1266

 25.2457, 16.7837,
55.1401


 117.6965, 94.8821,
201.6869

 16.3899, 10.0804,
39.1145


 148.3785,
122.1089, 247.2099

 9.8931, 5.4523,
26.5403

183.9769,
154.1017, 299.1140

 5.3899, 2.5150,
16.9989

224.8572,
191.2449, 357.8177

 2.5149, 0.8841,
10.0718

271.3846,

 0.9028, 0.0000,

233.9228, 423.7397

5.3403

323.9245,
282.5198, 497.2984

■ 0.0000, 0.0000,
2.3861

■ 0.0000, 0.0000,
0.7789

■ 51.4956, 37.9535,
99.2194

■ 51.4956, 37.9535,
99.2194

■ 45.2481, 29.9252,
97.9990

■ 58.8383, 47.8227,
100.7373

■ 40.0260, 23.6089,
97.0551

■ 67.3324, 59.6412,
102.5708

■ 35.7561, 18.8651,
96.3645

■ 77.0345, 73.5138,
104.7372

■ 32.3524, 15.5298,
95.9001

■ 87.9960, 89.5367,
107.2522

■ 29.7090, 13.3997, 95.0500, 100.0000,
95.6283 108.9000

■ 28.7794, 12.7512,
95.5521

Harmonies

Analogous

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



40.7284, 37.9535, 126.2666



51.4956, 37.9535, 99.2194



58.8045, 37.9535, 60.6079

Triad

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



51.4956, 37.9535, 99.2194



42.2946, 37.9535, 7.1700



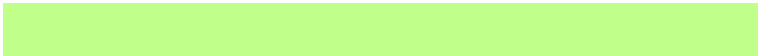
19.8584, 37.9535, 55.4864

Complementary

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



51.4956, 37.9535, 99.2194



61.8338, 84.4316, 37.0841

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.



20.1162, 37.9535, 26.6387



51.4956, 37.9535, 99.2194



31.7878, 37.9535, 6.8349

Square

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



51.4956, 37.9535, 99.2194



52.8307, 37.9535, 13.2871



24.0863, 37.9535, 11.9324



23.2974, 37.9535, 93.9536

Rectangle

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



51.4956, 37.9535, 99.2194



60.0057, 37.9535, 38.5016



24.0863, 37.9535, 11.9324



19.5382, 37.9535, 44.2829

Sweetspot

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



51.4969, 37.9550, 99.2196



78.9986, 76.3606, 105.1831



47.5139, 50.5878, 101.8679



16.4275, 15.6467, 22.4042



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.



51.4969, 37.9550, 99.2196



45.7563, 30.5618, 98.0951



67.7574, 46.4094, 96.7363



17.9528, 17.8674, 22.7525



15.2124, 6.7527, 49.9362



1.6071, 0.7224, 4.8680

Inverse Universe

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



59.7331, 43.1996, 54.4808



55.4064, 36.6902, 46.4291



51.1171, 78.8737, 38.0832



18.3515, 18.1239, 20.4680



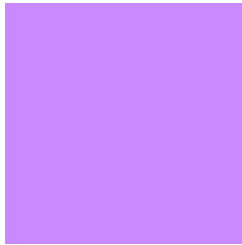
23.2541, 11.7909, 9.9886



2.3184, 1.1697, 1.2581

Previews

White Background



This preview shows how the XYZ color 51.4956, 37.9535, 99.2194 looks on a white background.

Color Contrast Check

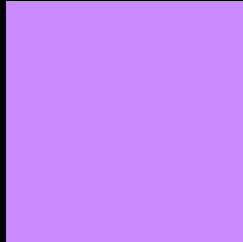
Large Text (above 18pt) WCAG AA × Fail

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 51.4956, 37.9535, 99.2194 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

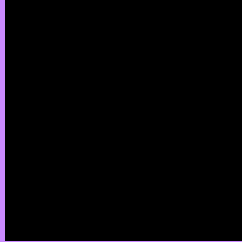
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.4956, 37.9535, 99.2194

Background



This preview shows how black text looks on a background with the XYZ color 51.4956, 37.9535, 99.2194.



This preview shows how white text looks on a background with the XYZ color 51.4956, 37.9535,

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

51.4956, 37.9535, 99.2194

Protanopia

40.6629, 38.3199, 99.8611

Deuteranopia

39.4628, 38.3244, 95.7599



Tritanopia

40.2216, 38.0474, 43.2542

Trichromacy



Original Color

51.4956, 37.9535, 99.2194



Protanomaly

43.5102, 37.4993, 99.5526



Deuteranomaly

42.6185, 37.3410, 97.0568

Tritanomaly

43.6015, 37.6877, 60.2347

Monochromacy



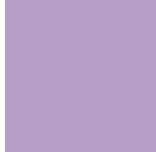
Original Color

51.4956, 37.9535, 99.2194



Achromatopsia

38.2080, 40.1978, 43.7754



Achromatomaly

42.0609, 38.6158, 60.4951

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.4956, 37.9535, 99.2194 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(202, 138, 255)` looks like.

```
.text, #text, p{  
    color:rgb(202, 138, 255)  
}
```

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(202, 138, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 138, 255) }
```

Border

The CSS property to change the border of an element to XYZ 51.4956, 37.9535, 99.2194 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(202, 138, 255) }
```


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

```
.border{ border-color:rgb(202, 138, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 138, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 138, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 138, 255);  
box-shadow:4px 4px 4px 4px rgb(202, 138,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 51.4956, 37.9535, 99.2194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 138, 255) }
```

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

```
.background{ background-color: rgb(202,  
138, 255) }
```

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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