

Converting Colors

XYZ(62.8719, 42.3640,
167.6085)

Have a look what the booklet for
XYZ(62.8719, 42.3640, 167.6085)
contains.

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Color

**XYZ(49.9034, 37.1327,
99.1449)**

Conversions

Conversions Part 1

Format	Color
Hex	C48AFF
RGB	196, 138, 255
RGB Percent	77%, 54%, 100%
CMY	0.2314, 0.4588, 0.0000
CMYK	0.23, 0.46, 0.00, 0.00
HSL	270°, 100%, 77%
HSV	270°, 46%, 100%
XYZ	49.9034, 37.1327, 99.1449
YIQ	168.6800, -2.9890, 48.6830

Conversions

Conversions Part 2

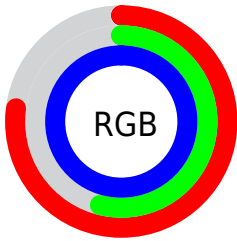
Format	Color
RYB	196, 138, 255
Decimal	12880639
CIELab	67.38, 43.99, -50.10
CIELCh	67, 66.667, 311.283
Yxy	37.1327, 0.2680, 0.1994
Android (android.graphics.Color)	4291070719 (0xFFC48AFF)
YUV	168.6800, 42.5558, 23.9596
Hunter-Lab	60.9366, 39.5417, -53.8102

Details

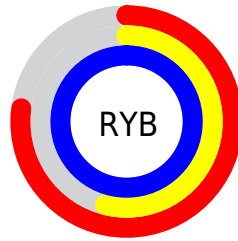
The XYZ color **49.9034, 37.1327, 99.1449** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **63.3738, 85.2255, 37.1561**, and the grayscale version is **37.3530, 39.2983, 42.7959**.

A 20% lighter version of the original color is **78.3600, 66.6199, 103.3367**, and **24.3360, 16.3082, 55.2912** is the 20% darker color. If you saturate the color by 10%, you get **43.4626, 29.0047, 97.9155**, and if you desaturate by 10%, it is **57.4921, 47.1287, 100.6743**.

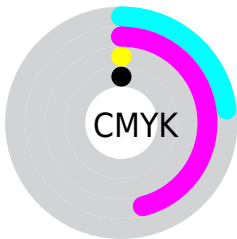
Distribution



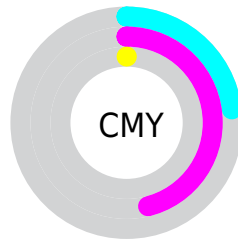
- Red (77%)
- Green (54%)
- Blue (100%)



- Red (77%)
- Yellow (54%)
- Blue (100%)



- Cyan (23%)
- Magenta (46%)
- Yellow (0%)
- Black (0%)





- Cyan (23%)
- Magenta (46%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.9034, 37.1327, 99.1449 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 49.9034, 37.1327, 99.1449 by changing the saturation by 10% instead.


 49.9034, 37.1327,
99.1449

 49.9034, 37.1327,
99.1449


376.7463,
333.8847, 578.6709


 35.5541, 25.3103,
74.9737


 89.2244, 70.7768,
162.0232

 24.2586, 16.3084,
55.0897


 114.9269, 93.3673,
201.5674

 15.6513, 9.7426,
39.0745


 145.1444,
120.3159, 247.0730

 9.3670, 5.2286,
26.5094

180.2425,
152.0070, 298.9585

 5.0404, 2.3820,
16.9759

220.5863,
188.8251, 357.6425

 2.3060, 0.8166,
10.0556

266.5413,

 0.7977, 0.0000,

231.1544, 423.5436

5.3297

318.4729,
279.3795, 497.0802

■ 0.0000, 0.0000,
2.3799

■ 0.0000, 0.0000,
0.7755

■ 49.9034, 37.1327,
99.1449

■ 49.9034, 37.1327,
99.1449

■ 43.4626, 29.0047,
97.9155

■ 57.4921, 47.1287,
100.6743

■ 38.0978, 22.6148,
96.9649

■ 66.2870, 59.1022,
102.5219

■ 33.7338, 17.8226,
96.2699

■ 76.3463, 73.1590,
104.7050

■ 30.2820, 14.4625,
95.8032

■ 87.7235, 89.3961,
107.2394

■ 27.6343, 12.3302, 95.0500, 100.0000,
95.5312 108.9000

■ 26.7151, 11.6870,
95.4555

Harmonies

Analogous

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



39.2777, 37.1327, 124.4883



49.9034, 37.1327, 99.1449



57.3561, 37.1327, 61.3016

Triad

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



49.9034, 37.1327, 99.1449



41.9790, 37.1327, 7.1293



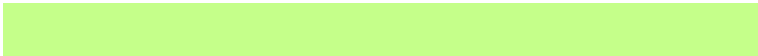
19.3233, 37.1327, 52.4661

Complementary

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



49.9034, 37.1327, 99.1449



63.3738, 85.2255, 37.1561

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.



19.7678, 37.1327, 24.9334



49.9034, 37.1327, 99.1449



31.5883, 37.1327, 6.5521

Square

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



49.9034, 37.1327, 99.1449



52.2064, 37.1327, 13.5153



23.8558, 37.1327, 11.1804



22.4956, 37.1327, 90.0595

Rectangle

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



49.9034, 37.1327, 99.1449



58.7970, 37.1327, 39.1846



23.8558, 37.1327, 11.1804



19.0736, 37.1327, 41.7039

Sweetspot

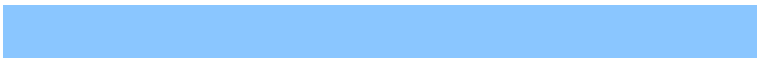
The Sweet Spot groups the original color and five complimentary colors.



49.9047, 37.1341, 99.1451



78.3842, 76.0439, 105.1544



48.8293, 53.2186, 102.3064



16.2779, 15.5696, 22.3972



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.



49.9047, 37.1341, 99.1451



43.9858, 29.6491, 98.0123



67.6652, 46.2900, 99.9763



17.8608, 17.8200, 22.7482



14.1311, 6.1953, 49.8856



1.5017, 0.6681, 4.8631

Inverse Universe

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



60.4071, 43.4692, 58.0303



56.1493, 36.9873, 50.3411



51.1551, 78.9265, 36.5843



18.3915, 18.1399, 20.6789



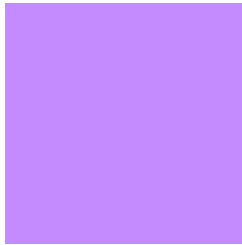
23.6805, 11.9615, 12.2337



2.3608, 1.1867, 1.4816

Previews

White Background



This preview shows how the XYZ color 49.9034, 37.1327, 99.1449 looks on a white background.

Color Contrast Check

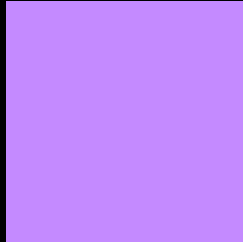
Large Text (above 18pt) WCAG AA × Fail

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 49.9034, 37.1327, 99.1449 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

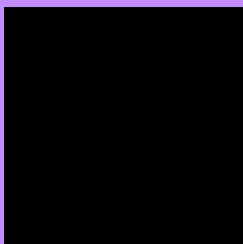
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.9034, 37.1327, 99.1449

Background



This preview shows how black text looks on a background with the XYZ color 49.9034, 37.1327, 99.1449.



This preview shows how white text looks on a background with the XYZ color 49.9034, 37.1327,

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

49.9034, 37.1327, 99.1449

Protanopia

39.8481, 37.3769, 99.7220

Deuteranopia

38.6992, 37.6640, 95.6727



Tritanopia

38.5386, 37.1798, 43.1754

Trichromacy



Original Color

49.9034, 37.1327, 99.1449



Protanomaly

42.5781, 36.7748, 99.4619



Deuteranomaly

41.8697, 36.9550, 97.0217

Tritanomaly

41.8589, 36.7894, 60.1532

Monochromacy



Original Color

49.9034, 37.1327, 99.1449



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

41.2426, 38.2076, 59.8447

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9034, 37.1327, 99.1449 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(196, 138, 255)` looks like.

```
.text, #text, p{  
    color:rgb(196, 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(196, 138, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 138, 255) }
```

Border

The CSS property to change the border of an element to XYZ 49.9034, 37.1327, 99.1449 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(196, 138, 255) }
```


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

```
.border{ border-color:rgb(196, 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(196, 138, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 138, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 138, 255);  
box-shadow:4px 4px 4px 4px rgb(196, 138,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9034, 37.1327, 99.1449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 138, 255) }
```

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

```
.background{ background-color: rgb(196,  
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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