

Converting Colors

XYZ(51.7293, 40.0373,
129.3046)

Have a look what the booklet for
XYZ(51.7293, 40.0373, 129.3046)
contains.

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Color

**XYZ(46.1899, 37.9169,
99.4920)**

Conversions

Conversions Part 1

Format	Color
Hex	AD96FF
RGB	173, 150, 255
RGB Percent	68%, 59%, 100%
CMY	0.3216, 0.4118, 0.0000
CMYK	0.32, 0.41, 0.00, 0.00
HSL	253°, 100%, 79%
HSV	253°, 41%, 100%
XYZ	46.1899, 37.9169, 99.4920
YIQ	168.8470, -19.9970, 37.5310

Conversions

Conversions Part 2

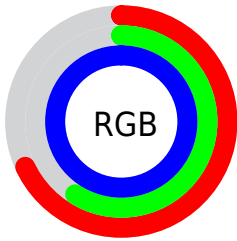
Format	Color
R_{YB}	173, 150, 255
Decimal	11376383
CIE _{Lab}	67.96, 31.21, -49.32
CIE _{LCh}	68, 58.364, 302.326
Yxy	37.9169, 0.2516, 0.2065
Android (android.graphics.Color)	4289566463 (0xFFAD96FF)
YUV	168.8470, 42.4734, 3.6422
Hunter-Lab	61.5767, 26.1372, -52.6936

Details

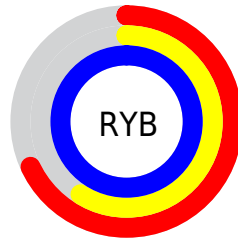
The XYZ color **46.1899, 37.9169, 99.4920** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **74.5438, 90.8778, 42.4677**, and the grayscale version is **37.4416, 39.3914, 42.8973**.

A 20% lighter version of the original color is **72.5979, 67.3947, 103.7899**, and **21.9910, 16.7828, 55.5064** is the 20% darker color. If you saturate the color by 10%, you get **38.4746, 28.5427, 98.0892**, and if you desaturate by 10%, it is **55.4494, 49.4027, 101.2209**.

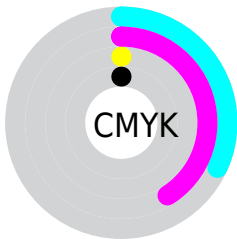
Distribution



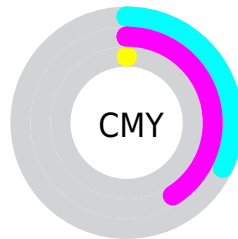
- Red (68%)
- Green (59%)
- Blue (100%)



- Red (68%)
- Yellow (59%)
- Blue (100%)



- Cyan (32%)
- Magenta (41%)
- Yellow (0%)
- Black (0%)



- Cyan (32%)
- Magenta (41%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.1899, 37.9169, 99.4920 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 46.1899, 37.9169, 99.4920 by changing the saturation by 10% instead.

46.1899, 37.9169,
99.4920

46.1899, 37.9169,
99.4920

362.2747,
337.2634, 579.7955

32.6010, 25.9182,
75.2618

83.7293, 71.9807,
162.5047

21.9787, 16.7625,
55.3244

108.4104, 94.8147,
202.1243

13.9578, 10.0653,
39.2612

137.5196,
122.0292, 247.7108

8.1728, 5.4423,
26.6536

171.4223,
154.0086, 299.6827

4.2585, 2.5090,
17.0831

210.4838,
191.1373, 358.4586

1.8494, 0.8811,
10.1312

255.0695,

0.5471, 0.0000,

233.7997, 424.4570

5.3793

305.5447,
282.3803, 498.0965

■ 0.0000, 0.0000,
2.4089

■ 0.0000, 0.0000,
0.7913

■ 46.1899, 37.9169,
99.4920

■ 46.1899, 37.9169,
99.4920

■ 38.4746, 28.5427,
98.0892

■ 55.4494, 49.4027,
101.2209

■ 32.2127, 21.1451,
96.9914

■ 66.3291, 63.1156,
103.2944

■ 27.3095, 15.5795,
96.1755

■ 78.9046, 79.1675,
105.7299

■ 23.6565, 11.6795,
95.6153

■ 93.2455, 97.6614,
108.5437

■ 21.1272, 9.2467,
95.2790

95.0500, 100.0000,
108.9000

■ 19.6731, 8.0567,
95.1260

Harmonies

Analogous

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



36.7511, 37.9169, 113.9803



46.1899, 37.9169, 99.4920



53.7911, 37.9169, 69.0919

Triad

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



46.1899, 37.9169, 99.4920



44.7588, 37.9169, 10.9723



21.2734, 37.9169, 43.3449

Complementary

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



46.1899, 37.9169, 99.4920



74.5438, 90.8778, 42.4677

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.



22.6976, 37.9169, 22.1642



46.1899, 37.9169, 99.4920



35.3359, 37.9169, 8.7909

Square

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



46.1899, 37.9169, 99.4920



52.8722, 37.9169, 19.9256



27.4960, 37.9169, 11.8315



23.2215, 37.9169, 74.1586

Rectangle

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



46.1899, 37.9169, 99.4920



56.2282, 37.9169, 48.3191



27.4960, 37.9169, 11.8315



21.3734, 37.9169, 34.9691

Sweetspot

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



46.1912, 37.9183, 99.4922



77.8016, 77.7527, 105.5149



59.5554, 71.5587, 105.2811



16.2840, 16.1698, 22.5128



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.



46.1912, 37.9183, 99.4922



40.0263, 30.4091, 98.3677



60.0864, 45.0815, 100.1424



17.3750, 17.5695, 22.7254



10.3821, 4.2626, 49.7102



1.0989, 0.4604, 4.8442

Inverse Universe

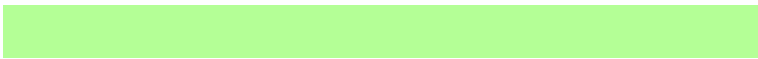
The Inverse Universe completely reimagines the original color for something new.



66.7122, 48.8998, 82.2660



63.1813, 42.8194, 78.0636



60.0300, 83.3957, 41.7885



18.6123, 18.2282, 21.8415



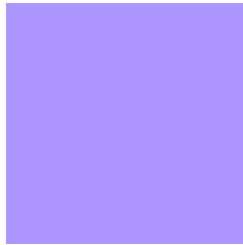
27.0020, 13.2901, 29.7246



2.6692, 1.3101, 3.1055

Previews

White Background



This preview shows how the XYZ color 46.1899, 37.9169, 99.4920 looks on a white background.

Color Contrast Check

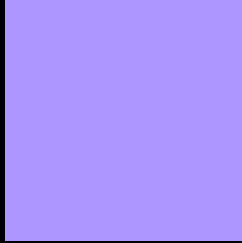
Large Text (above 18pt) WCAG AA × Fail

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 46.1899, 37.9169, 99.4920 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

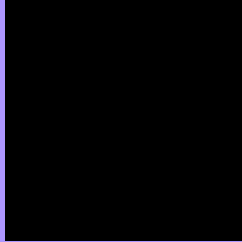
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.1899, 37.9169, 99.4920

Background



This preview shows how black text looks on a background with the XYZ color 46.1899, 37.9169, 99.4920.



This preview shows how white text looks on a background with the XYZ color 46.1899, 37.9169,

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

46.1899, 37.9169, 99.4920

Protanopia

40.6629, 38.3199, 99.8611

Deuteranopia

39.3380, 38.2236, 97.4000



Tritanopia

35.7791, 37.7358, 48.5780

Trichromacy



Original Color

46.1899, 37.9169, 99.4920

Protanomaly

42.3095, 37.8768, 99.6887

Deuteranomaly

41.4558, 37.9842, 98.0752

Tritanomaly

38.9375, 37.4331, 64.2046

Monochromacy



Original Color

46.1899, 37.9169, 99.4920

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

39.9232, 38.5568, 59.9816

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.1899, 37.9169, 99.4920 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(173, 150, 255)` looks like.

```
.text, #text, p{  
    color:rgb(173, 150, 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(173, 150, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 150, 255) }
```

Border

The CSS property to change the border of an element to XYZ 46.1899, 37.9169, 99.4920 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(173, 150, 255) }
```


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

```
.border{ border-color:rgb(173, 150, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 150, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 150, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 150, 255);  
box-shadow:4px 4px 4px 4px rgb(173, 150,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 46.1899, 37.9169, 99.4920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 150, 255) }
```

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

```
.background{ background-color: rgb(173,  
150, 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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