

Converting Colors

XYZ(54.6565, 40.7494,
140.8518)

Have a look what the booklet for
XYZ(54.6565, 40.7494, 140.8518)
contains.

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Color

**XYZ(46.8438, 37.5524,
99.3871)**

Conversions

Conversions Part 1

Format	Color
Hex	B293FF
RGB	178, 147, 255
RGB Percent	70%, 58%, 100%
CMY	0.3019, 0.4235, 0.0000
CMYK	0.30, 0.42, 0.00, 0.00
HSL	257°, 100%, 79%
HSV	257°, 42%, 100%
XYZ	46.8438, 37.5524, 99.3871
YIQ	168.5810, -16.1920, 40.1600

Conversions

Conversions Part 2

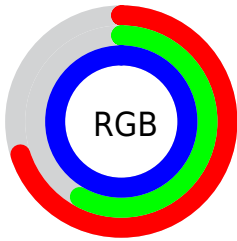
Format	Color
R_{YB}	178, 147, 255
Decimal	11703295
CIE _{Lab}	67.69, 34.22, -49.72
CIE _{LCh}	68, 60.354, 304.539
Yxy	37.5524, 0.2549, 0.2043
Android (android.graphics.Color)	4289893375 (0xFFB293FF)
YUV	168.5810, 42.6046, 8.2605
Hunter-Lab	61.2800, 29.2093, -53.2636

Details

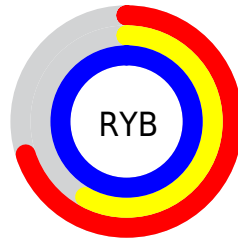
The XYZ color **46.8438, 37.5524, 99.3871** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **71.7670, 89.4739, 41.0927**, and the grayscale version is **37.3088, 39.2517, 42.7451**.

A 20% lighter version of the original color is **73.5287, 66.8262, 103.6311**, and **22.4020, 16.5805, 55.4457** is the 20% darker color. If you saturate the color by 10%, you get **39.4106, 28.4727, 98.0264**, and if you desaturate by 10%, it is **55.7112, 48.6773, 101.0671**.

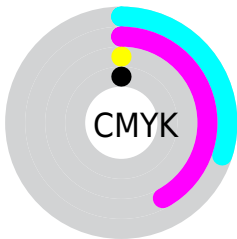
Distribution



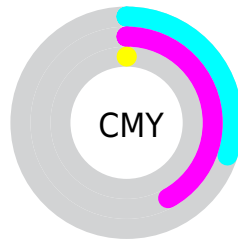
- Red (70%)
- Green (58%)
- Blue (100%)



- Red (70%)
- Yellow (58%)
- Blue (100%)



- Cyan (30%)
- Magenta (42%)
- Yellow (0%)
- Black (0%)





- Cyan (30%)
- Magenta (42%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.8438, 37.5524, 99.3871 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 46.8438, 37.5524, 99.3871 by changing the saturation by 10% instead.


 46.8438, 37.5524,
99.3871


 46.8438, 37.5524,
99.3871

364.8500,
335.6960, 579.4558

 33.1196, 25.6355,
75.1747


 84.7006, 71.4216,
162.3592

 22.3778, 16.5511,
55.2535


 109.5639, 94.1426,
201.9560

 14.2529, 9.9150,
39.2047


138.8710,
121.2338, 247.5181

 8.3796, 5.3426,
26.6100

172.9871,
153.0795, 299.4639

 4.3927, 2.4497,
17.0507

212.2778,
190.0642, 358.2120

 1.9266, 0.8513,
10.1083

257.1082,

 0.5922, 0.0000,

232.5723, 424.1810

5.3643

307.8439,
280.9881, 497.7894

■ 0.0000, 0.0000,
2.4001

■ 0.0000, 0.0000,
0.7865

■ 46.8438, 37.5524,
99.3871

■ 46.8438, 37.5524,
99.3871

■ 39.4106, 28.4727,
98.0264

■ 55.7112, 48.6773,
101.0671

■ 33.3273, 21.3056,
96.9636

■ 66.0827, 61.9605,
103.0844

■ 28.5065, 15.9087,
96.1760

■ 78.0280, 77.5116,
105.4565

■ 24.8474, 12.1174,
95.6370

■ 91.6111, 95.4314,
108.1994

■ 22.2315, 9.7341,
95.3149

95.0500, 100.0000,
108.9000

■ 20.8126, 8.6442,
95.1793

Harmonies

Analogous

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



37.1291, 37.5524, 116.3257



46.8438, 37.5524, 99.3871



54.4342, 37.5524, 67.1490

Triad

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



46.8438, 37.5524, 99.3871



43.9613, 37.5524, 9.8558



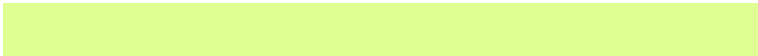
20.6465, 37.5524, 45.0846

Complementary

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



46.8438, 37.5524, 99.3871



71.7670, 89.4739, 41.0927

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.



21.8376, 37.5524, 22.5597



46.8438, 37.5524, 99.3871



34.2933, 37.5524, 8.1036

Square

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



46.8438, 37.5524, 99.3871



52.5772, 37.5524, 18.1516



26.4681, 37.5524, 11.5137



22.8754, 37.5524, 77.4222

Rectangle

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



46.8438, 37.5524, 99.3871



56.6615, 37.5524, 45.9678



26.4681, 37.5524, 11.5137



20.6639, 37.5524, 36.1972

Sweetspot

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



46.8451, 37.5538, 99.3873



77.2046, 76.4327, 105.2916



56.8467, 66.9504, 104.5343



15.9359, 15.5894, 22.4191



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.



46.8451, 37.5538, 99.3873



40.3347, 29.5854, 98.1924



61.6334, 45.1774, 100.0794



17.4927, 17.6302, 22.7310



11.0015, 4.5820, 49.7391



1.1734, 0.4988, 4.8477

Inverse Universe

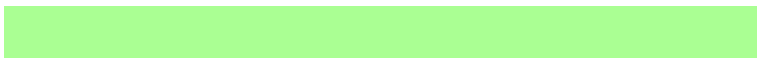
The Inverse Universe completely reimagines the original color for something new.



65.1287, 47.5102, 76.2584



61.1789, 40.9592, 70.7844



57.6914, 82.2176, 40.4340



18.5573, 18.2062, 21.5519



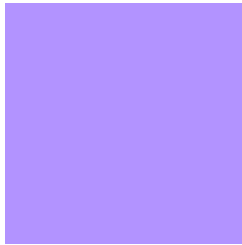
26.0178, 12.8964, 24.5418



2.5805, 1.2746, 2.6384

Previews

White Background



This preview shows how the XYZ color 46.8438, 37.5524, 99.3871 looks on a white background.

Color Contrast Check

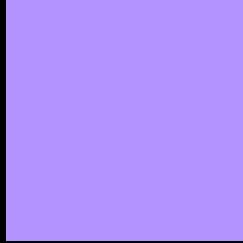
Large Text (above 18pt) WCAG AA × Fail

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 46.8438, 37.5524, 99.3871 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

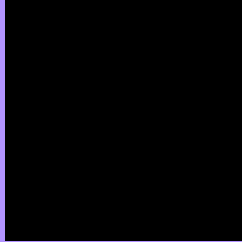
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.8438, 37.5524, 99.3871

Background



This preview shows how black text looks on a background with the XYZ color 46.8438, 37.5524, 99.3871.



This preview shows how white text looks on a background with the XYZ color 46.8438, 37.5524,

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

46.8438, 37.5524, 99.3871

Protanopia

40.1763, 37.8065, 99.7876

Deuteranopia

38.8564, 37.7269, 96.5009



Tritanopia

36.3155, 37.5118, 46.9214

Trichromacy



Original Color

46.8438, 37.5524, 99.3871

Protanomaly

42.1396, 37.5370, 99.6321

Deuteranomaly

41.1252, 37.3216, 97.1317

Tritanomaly

39.3948, 37.1863, 62.8590

Monochromacy



Original Color

46.8438, 37.5524, 99.3871

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

40.1835, 38.4305, 59.9435

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8438, 37.5524, 99.3871 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(178, 147, 255)` looks like.

```
.text, #text, p{  
    color:rgb(178, 147, 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(178, 147, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 147, 255) }
```

Border

The CSS property to change the border of an element to XYZ 46.8438, 37.5524, 99.3871 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(178, 147, 255) }
```


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

```
.border{ border-color:rgb(178, 147, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 147, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 147, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 147, 255);  
box-shadow:4px 4px 4px 4px rgb(178, 147,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8438, 37.5524, 99.3871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 147, 255) }
```

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

```
.background{ background-color: rgb(178,  
147, 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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