

Converting Colors

XYZ(48.1752, 37.6780, 99.2082)

Have a look what the booklet for
XYZ(48.1752, 37.6780, 99.2082)
contains.

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Color

**XYZ(48.1830, 37.7851,
99.3615)**

Conversions

Conversions Part 1

Format	Color
Hex	B991FF
RGB	185, 145, 255
RGB Percent	73%, 57%, 100%
CMY	0.2745, 0.4314, 0.0000
CMYK	0.27, 0.43, 0.00, 0.00
HSL	262°, 100%, 78%
HSV	262°, 43%, 100%
XYZ	48.1830, 37.7851, 99.3615
YIQ	169.5000, -11.4700, 42.6900

Conversions

Conversions Part 2

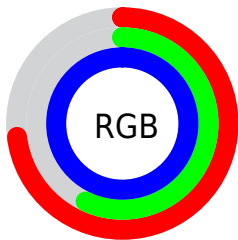
Format	Color
RYB	185, 145, 255
Decimal	12161535
CIELab	67.86, 37.20, -49.40
CIELCh	68, 61.844, 306.983
Yxy	37.7851, 0.2600, 0.2039
Android (android.graphics.Color)	4290351615 (0xFFB991FF)
YUV	169.5000, 42.1515, 13.5935
Hunter-Lab	61.4696, 32.3456, -52.8096

Details

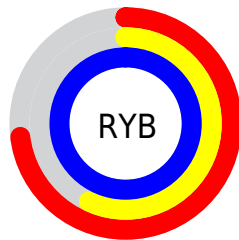
The XYZ color **48.1830, 37.7851, 99.3615** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **68.8954, 88.0115, 40.1461**, and the grayscale version is **37.7625, 39.7291, 43.2650**.

A 20% lighter version of the original color is **75.4356, 67.1215, 103.5876**, and **23.2490, 16.7498, 55.4337** is the 20% darker color. If you saturate the color by 10%, you get **41.0211, 28.9441, 98.0325**, and if you desaturate by 10%, it is **56.6686, 48.6080, 101.0033**.

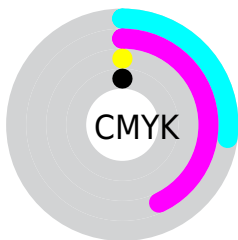
Distribution



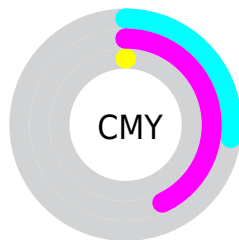
- Red (73%)
- Green (57%)
- Blue (100%)



- Red (73%)
- Yellow (57%)
- Blue (100%)



- Cyan (27%)
- Magenta (43%)
- Yellow (0%)
- Black (0%)





- Cyan (27%)
- Magenta (43%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.1830, 37.7851, 99.3615 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 48.1830, 37.7851, 99.3615 by changing the saturation by 10% instead.


 48.1830, 37.7851,
99.3615


 48.1830, 37.7851,
99.3615


370.0876,
336.6972, 579.3728

 34.1837, 25.8159,
75.1535


 86.6849, 71.7786,
162.3237

 23.1983, 16.6860,
55.2362


 111.9181, 94.5718,
201.9149

 14.8615, 10.0109,
39.1910


141.6267,
121.7418, 247.4710

 8.8079, 5.4062,
26.5993

176.1760,
153.6729, 299.4105

 4.6722, 2.4875,
17.0428

215.9314,
190.7496, 358.1518

 2.0890, 0.8704,
10.1027

261.2582,

 0.6832, 0.0000,

233.3563, 424.1137

5.3606

312.5218,
281.8774, 497.7145

■ 0.0000, 0.0000,
2.3979

■ 0.0000, 0.0000,
0.7853

■ 48.1830, 37.7851,
99.3615

■ 48.1830, 37.7851,
99.3615

■ 41.0211, 28.9441,
98.0325

■ 56.6686, 48.6080,
101.0033

■ 35.1050, 21.9545,
96.9952

■ 66.5421, 61.5232,
102.9758

■ 30.3535, 16.6767,
96.2269

■ 77.8677, 76.6381,
105.2963

■ 26.6730, 12.9479,
95.7011

■ 90.7043, 94.0512,
107.9808

■ 23.9520, 10.5719,
95.3859

95.0500, 100.0000,
108.9000

■ 22.5369, 9.5331,
95.2600

Harmonies

Analogous

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



38.2015, 37.7851, 118.9357



48.1830, 37.7851, 99.3615



55.6910, 37.7851, 65.4280

Triad

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



48.1830, 37.7851, 99.3615



43.6140, 37.7851, 9.1709



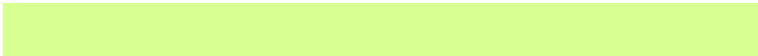
20.5483, 37.7851, 47.8989

Complementary

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



48.1830, 37.7851, 99.3615



68.8954, 88.0115, 40.1461

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.



21.4792, 37.7851, 23.7595



48.1830, 37.7851, 99.3615



33.7190, 37.7851, 7.8398

Square

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



48.1830, 37.7851, 99.3615



52.7424, 37.7851, 16.8543



25.9268, 37.7851, 11.7385



23.1096, 37.7851, 81.7718

Rectangle

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



48.1830, 37.7851, 99.3615



57.6453, 37.7851, 43.9833



25.9268, 37.7851, 11.7385



20.4718, 37.7851, 38.4249

Sweetspot

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



48.1843, 37.7865, 99.3617



78.0319, 76.8592, 105.3303



54.4121, 62.6090, 103.8247



16.1386, 15.6939, 22.4286



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.



48.1843, 37.7865, 99.3617



41.7706, 29.8528, 98.1684



63.6041, 45.7357, 100.0833



17.6266, 17.6992, 22.7372



11.9248, 5.0579, 49.7824



1.2759, 0.5516, 4.8525

Inverse Universe

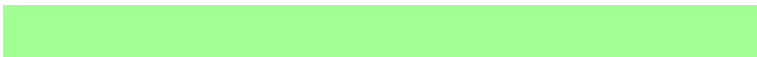
The Inverse Universe completely reimagines the original color for something new.



63.6316, 46.4181, 69.8958



59.4844, 39.7718, 63.4323



55.6706, 81.1938, 39.5272



18.4959, 18.1817, 21.2287



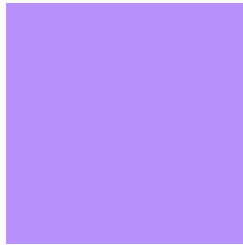
25.0432, 12.5066, 19.4099



2.4909, 1.2387, 2.1663

Previews

White Background



This preview shows how the XYZ color 48.1830, 37.7851, 99.3615 looks on a white background.

Color Contrast Check

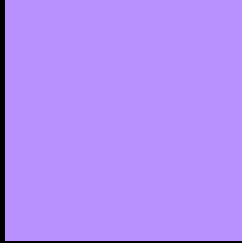
Large Text (above 18pt) WCAG AA × Fail

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 48.1830, 37.7851, 99.3615 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

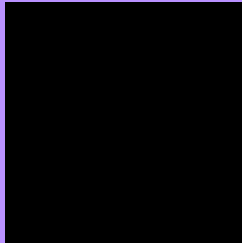
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.1830, 37.7851, 99.3615

Background



This preview shows how black text looks on a background with the XYZ color 48.1830, 37.7851, 99.3615.



This preview shows how white text looks on a background with the XYZ color 48.1830, 37.7851,

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

48.1830, 37.7851, 99.3615

Protanopia

40.3304, 37.8860, 99.7948

Deuteranopia

39.1799, 38.1604, 96.5675



Tritanopia

37.4126, 37.8356, 45.8886

Trichromacy



Original Color

48.1830, 37.7851, 99.3615

Protanomaly

42.7010, 37.5762, 99.6101

Deuteranomaly

41.6516, 37.5930, 97.1564

Tritanomaly

40.4667, 37.2505, 62.1840

Monochromacy



Original Color

48.1830, 37.7851, 99.3615

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

40.9667, 38.8207, 60.5923

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.1830, 37.7851, 99.3615 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(185, 145, 255)` looks like.

```
.text, #text, p{  
    color:rgb(185, 145, 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(185, 145, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 145, 255) }
```

Border

The CSS property to change the border of an element to XYZ 48.1830, 37.7851, 99.3615 is called "border". The border property can be set on classes, ids or directly on the HTML element.

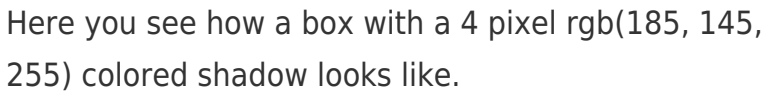
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(185, 145, 255) }
```


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

```
.border{ border-color:rgb(185, 145, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(185, 145, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 145, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 145, 255);  
box-shadow:4px 4px 4px 4px rgb(185, 145,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 48.1830, 37.7851, 99.3615 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 145, 255) }
```

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

```
.background{ background-color: rgb(185,  
145, 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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