

Converting Colors

XYZ(58.7943, 41.9940,
154.5384)

Have a look what the booklet for
XYZ(58.7943, 41.9940, 154.5384)
contains.

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Color

**XYZ(48.4251, 37.9099,
99.3728)**

Conversions

Conversions Part 1

Format	Color
Hex	BA91FF
RGB	186, 145, 255
RGB Percent	73%, 57%, 100%
CMY	0.2706, 0.4314, 0.0000
CMYK	0.27, 0.43, 0.00, 0.00
HSL	262°, 100%, 78%
HSV	262°, 43%, 100%
XYZ	48.4251, 37.9099, 99.3728
YIQ	169.7990, -10.8740, 42.9020

Conversions

Conversions Part 2

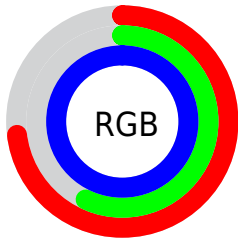
Format	Color
RYB	186, 145, 255
Decimal	12227071
CIELab	67.95, 37.47, -49.25
CIELCh	68, 61.885, 307.266
Yxy	37.9099, 0.2608, 0.2041
Android (android.graphics.Color)	4290417151 (0xFFBA91FF)
YUV	169.7990, 42.0041, 14.2083
Hunter-Lab	61.5710, 32.6395, -52.5916

Details

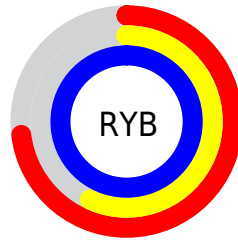
The XYZ color **48.4251, 37.9099, 99.3728** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **68.6027, 87.8606, 40.1324**, and the grayscale version is **37.9111, 39.8855, 43.4353**.

A 20% lighter version of the original color is **75.7817, 67.2999, 103.6038**, and **23.4017, 16.8285, 55.4409** is the 20% darker color. If you saturate the color by 10%, you get **41.2862, 29.0807, 98.0449**, and if you desaturate by 10%, it is **56.8760, 48.7149, 101.0130**.

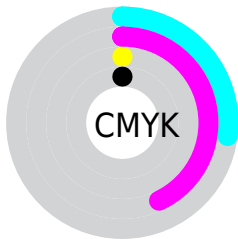
Distribution



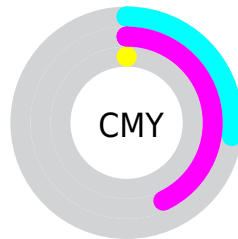
- Red (73%)
- Green (57%)
- Blue (100%)



- 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 48.4251, 37.9099, 99.3728 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 48.4251, 37.9099, 99.3728 by changing the saturation by 10% instead.


 48.4251, 37.9099,
99.3728

 48.4251, 37.9099,
99.3728


371.0293,
337.2333, 579.4094

 34.3763, 25.9128,
75.1629


 87.0429, 71.9700,
162.3394

 23.3471, 16.7584,
55.2438

 112.3426, 94.8018,
201.9331

 14.9721, 10.0624,
39.1970


142.1232,
122.0139, 247.4918

 8.8860, 5.4403,
26.6040

176.7503,
153.9907, 299.4340

 4.7234, 2.5079,
17.0463

216.5891,
191.1167, 358.1784

 2.1190, 0.8806,
10.1052

262.0049,

 0.6995, 0.0000,

233.7762, 424.1434

5.3622

313.3632,
282.3536, 497.7476

■ 0.0000, 0.0000,
2.3989

■ 0.0000, 0.0000,
0.7858

■ 48.4251, 37.9099,
99.3728

■ 48.4251, 37.9099,
99.3728

■ 41.2862, 29.0807,
98.0449

■ 56.8760, 48.7149,
101.0130

■ 35.3819, 22.0973,
97.0081

■ 66.7022, 61.6058,
102.9833

■ 30.6319, 16.8202,
96.2399

■ 77.9675, 76.6896,
105.3010

■ 26.9432, 13.0872,
95.7138

■ 90.7304, 94.0646,
107.9820

■ 24.2055, 10.7025,
95.3978

95.0500, 100.0000,
108.9000

■ 22.7743, 9.6555,
95.2711

Harmonies

Analogous

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



38.4213, 37.9099, 119.2169



48.4251, 37.9099, 99.3728



55.9129, 37.9099, 65.3038

Triad

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



48.4251, 37.9099, 99.3728



43.6587, 37.9099, 9.1714



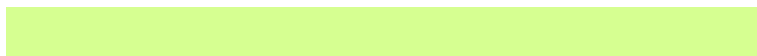
20.6295, 37.9099, 48.3423

Complementary

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



48.4251, 37.9099, 99.3728



68.6027, 87.8606, 40.1324

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.



21.5301, 37.9099, 24.0119



48.4251, 37.9099, 99.3728



33.7443, 37.9099, 7.8840

Square

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



48.4251, 37.9099, 99.3728



52.8372, 37.9099, 16.8025



25.9576, 37.9099, 11.8538



23.2318, 37.9099, 82.3508

Rectangle

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



48.4251, 37.9099, 99.3728



57.8312, 37.9099, 43.8544



25.9576, 37.9099, 11.8538



20.5417, 37.9099, 38.8035

Sweetspot

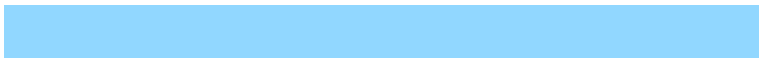
The Sweet Spot groups the original color and five complimentary colors.



48.4264, 37.9113, 99.3730



78.1309, 76.9103, 105.3350



53.9436, 61.6719, 103.6685



16.1629, 15.7064, 22.4297



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.



48.4264, 37.9113, 99.3730



42.0336, 29.9884, 98.1807



64.2245, 46.0555, 100.1123



17.6426, 17.7075, 22.7380



12.0511, 5.1230, 49.7883



1.2894, 0.5586, 4.8531

Inverse Universe

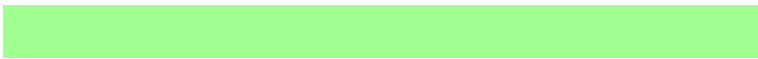
The Inverse Universe completely reimagines the original color for something new.



63.5035, 46.3668, 69.2211



59.3377, 39.7131, 62.6601



55.3023, 81.0040, 39.5100



18.4887, 18.1788, 21.1906



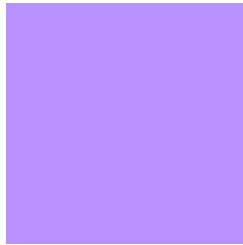
24.9368, 12.4640, 18.8493



2.4809, 1.2347, 2.1140

Previews

White Background



This preview shows how the XYZ color 48.4251, 37.9099, 99.3728 looks on a white background.

Color Contrast Check

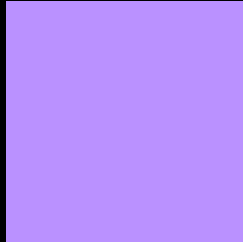
Large Text (above 18pt) WCAG AA × Fail

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 48.4251, 37.9099, 99.3728 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

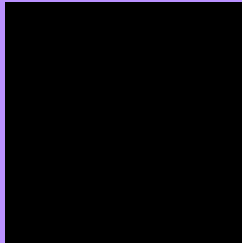
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.4251, 37.9099, 99.3728

Background



This preview shows how black text looks on a background with the XYZ color 48.4251, 37.9099, 99.3728.



This preview shows how white text looks on a background with the XYZ color 48.4251, 37.9099,

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

48.4251, 37.9099, 99.3728

Protanopia

40.6629, 38.3199, 99.8611

Deuteranopia

39.3252, 38.2353, 96.5743



Tritanopia

37.6296, 37.9475, 45.8987

Trichromacy



Original Color

48.4251, 37.9099, 99.3728

Protanomaly

42.8874, 37.6723, 99.6188

Deuteranomaly

41.8302, 37.6850, 97.1647

Tritanomaly

40.6920, 37.3667, 62.1945

Monochromacy



Original Color

48.4251, 37.9099, 99.3728

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

41.1920, 38.9369, 60.6029

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.4251, 37.9099, 99.3728 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(186, 145, 255)` looks like.

```
.text, #text, p{  
    color:rgb(186, 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(186, 145, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 145, 255) }
```

Border

The CSS property to change the border of an element to XYZ 48.4251, 37.9099, 99.3728 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(186, 145, 255) }
```


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

```
.border{ border-color:rgb(186, 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(186, 145, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 145, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 145, 255);  
box-shadow:4px 4px 4px 4px rgb(186, 145,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 48.4251, 37.9099, 99.3728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 145, 255) }
```

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

```
.background{ background-color: rgb(186,  
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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