

Converting Colors

XYZ(47.1573, 37.5540, 99.5339)

Have a look what the booklet for
XYZ(47.1573, 37.5540, 99.5339)
contains.

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Color

**XYZ(47.1513, 37.4811,
99.3572)**

Conversions

Conversions Part 1

Format	Color
Hex	B492FF
RGB	180, 146, 255
RGB Percent	71%, 57%, 100%
CMY	0.2941, 0.4274, 0.0000
CMYK	0.29, 0.43, 0.00, 0.00
HSL	259°, 100%, 79%
HSV	259°, 43%, 100%
XYZ	47.1513, 37.4811, 99.3572
YIQ	168.5920, -14.7250, 41.1070

Conversions

Conversions Part 2

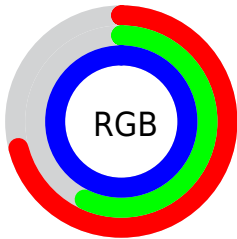
Format	Color
R_{YB}	180, 146, 255
Decimal	11834111
CIE _{Lab}	67.64, 35.31, -49.79
CIE _{LCh}	68, 61.038, 305.344
Yxy	37.4811, 0.2563, 0.2037
Android (android.graphics.Color)	4290024191 (0xFFB492FF)
YUV	168.5920, 42.5991, 10.0048
Hunter-Lab	61.2218, 30.3375, -53.3668

Details

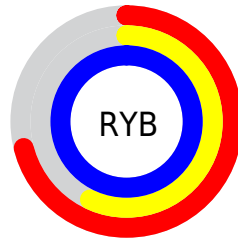
The XYZ color **47.1513, 37.4811, 99.3572** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **70.7673, 88.9675, 40.6381**, and the grayscale version is **37.3137, 39.2569, 42.7508**.

A 20% lighter version of the original color is **73.9642, 66.7057, 103.5849**, and **22.5974, 16.5467, 55.4289** is the 20% darker color. If you saturate the color by 10%, you get **39.8206, 28.5037, 98.0107**, and if you desaturate by 10%, it is **55.8782, 48.4809, 101.0204**.

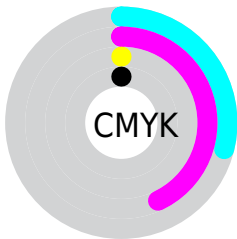
Distribution



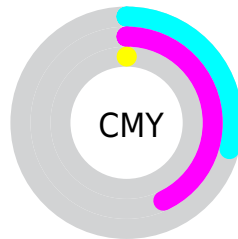
- Red (71%)
- Green (57%)
- Blue (100%)



- Red (71%)
- Yellow (57%)
- Blue (100%)



- Cyan (29%)
- Magenta (43%)
- Yellow (0%)
- Black (0%)





- Cyan (29%)
- Magenta (43%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.1513, 37.4811, 99.3572 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 47.1513, 37.4811, 99.3572 by changing the saturation by 10% instead.


 47.1513, 37.4811,
99.3572


 47.1513, 37.4811,
99.3572

366.0570,
335.3888, 579.3589

 33.3637, 25.5802,
75.1499

 85.1568, 71.3121,
162.3177

 22.5658, 16.5099,
55.2333

 110.1054, 94.0110,
201.9080

 14.3922, 9.8857,
39.1886

139.5051,
121.0780, 247.4631

 8.4774, 5.3232,
26.5976

173.7212,
152.8975, 299.4015

 4.4563, 2.4381,
17.0414

213.1191,
189.8540, 358.1417

 1.9634, 0.8454,
10.1018

258.0641,

 0.6133, 0.0000,

232.3318, 424.1023

5.3600

308.9216,
280.7152, 497.7019

■ 0.0000, 0.0000,
2.3976

■ 0.0000, 0.0000,
0.7851

■ 47.1513, 37.4811,
99.3572

■ 47.1513, 37.4811,
99.3572

■ 39.8206, 28.5037,
98.0107

■ 55.8782, 48.4809,
101.0204

■ 33.8041, 21.4168,
96.9599

■ 66.0691, 61.6154,
103.0185

■ 29.0163, 16.0787,
96.1819

■ 77.7921, 76.9934,
105.3689

■ 25.3590, 12.3251,
95.6502

■ 91.1093, 94.7151,
108.0876

■ 22.7158, 9.9586, 95.0500, 100.0000,
95.3327 108.9000

■ 21.3199, 8.9057,
95.2030

Harmonies

Analogous

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



37.3368, 37.4811, 117.2091



47.1513, 37.4811, 99.3572



54.7305, 37.4811, 66.4715

Triad

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



47.1513, 37.4811, 99.3572



43.7191, 37.4811, 9.5071



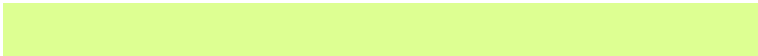
20.4746, 37.4811, 45.8302

Complementary

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



47.1513, 37.4811, 99.3572



70.7673, 88.9675, 40.6381

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.



21.5800, 37.4811, 22.7844



47.1513, 37.4811, 99.3572



33.9657, 37.4811, 7.9033

Square

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



47.1513, 37.4811, 99.3572



52.5171, 37.4811, 17.5730



26.1486, 37.4811, 11.4541



22.8092, 37.4811, 78.7298

Rectangle

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



47.1513, 37.4811, 99.3572



56.8750, 37.4811, 45.1631



26.1486, 37.4811, 11.4541



20.4615, 37.4811, 36.7470

Sweetspot

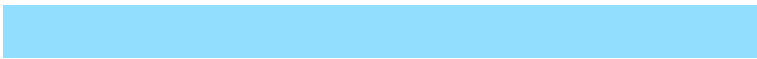
The Sweet Spot groups the original color and five complimentary colors.



47.1526, 37.4825, 99.3574



77.4721, 76.5706, 105.3041



56.1059, 65.7339, 104.3386



16.0014, 15.6232, 22.4222



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.



47.1526, 37.4825, 99.3574



41.0022, 29.9295, 98.2237



61.9992, 45.1362, 100.0522



17.5361, 17.6526, 22.7330



11.2744, 4.7227, 49.7519



1.2045, 0.5149, 4.8492

Inverse Universe

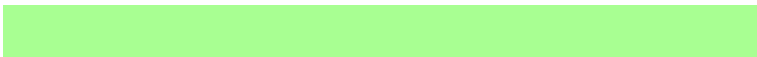
The Inverse Universe completely reimagines the original color for something new.



64.5705, 47.0392, 74.0827



60.7602, 40.7917, 68.5795



57.0550, 81.8986, 39.9963



18.5373, 18.1982, 21.4465



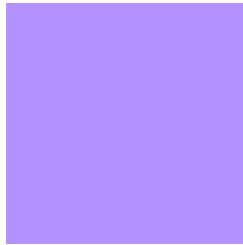
25.6858, 12.7636, 22.7935



2.5502, 1.2625, 2.4788

Previews

White Background



This preview shows how the XYZ color 47.1513, 37.4811, 99.3572 looks on a white background.

Color Contrast Check

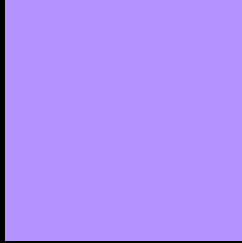
Large Text (above 18pt) WCAG AA × Fail

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 47.1513, 37.4811, 99.3572 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

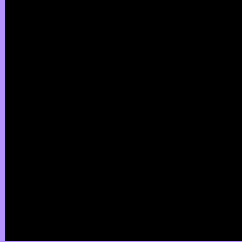
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.1513, 37.4811, 99.3572

Background



This preview shows how black text looks on a background with the XYZ color 47.1513, 37.4811, 99.3572.



This preview shows how white text looks on a background with the XYZ color 47.1513, 37.4811,

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

47.1513, 37.4811, 99.3572

Protanopia

40.1763, 37.8065, 99.7876

Deuteranopia

38.8564, 37.7269, 96.5009



Tritanopia

36.4507, 37.3283, 46.3582

Trichromacy



Original Color

47.1513, 37.4811, 99.3572

Protanomaly

42.1512, 37.2928, 99.5844

Deuteranomaly

41.1293, 37.0715, 97.0832

Tritanomaly

39.6540, 37.0678, 62.8224

Monochromacy



Original Color

47.1513, 37.4811, 99.3572

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

40.4038, 38.5441, 59.9538

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.1513, 37.4811, 99.3572 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(180, 146, 255)` looks like.

```
.text, #text, p{  
    color:rgb(180, 146, 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(180, 146, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 146, 255) }
```

Border

The CSS property to change the border of an element to XYZ 47.1513, 37.4811, 99.3572 is called "border". The border property can be set on classes, ids or directly on the HTML element.

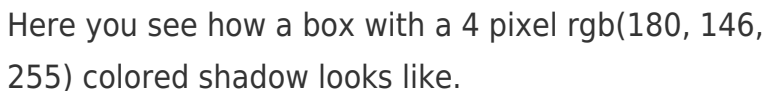
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(180, 146, 255) }
```


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

```
.border{ border-color:rgb(180, 146, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(180, 146, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 146, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 146, 255);  
box-shadow:4px 4px 4px 4px rgb(180, 146,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 47.1513, 37.4811, 99.3572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 146, 255) }
```

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

```
.background{ background-color: rgb(180,  
146, 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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