

Converting Colors

XYZ(63.0972, 43.7270,
186.9034)

Have a look what the booklet for
XYZ(63.0972, 43.7270, 186.9034)
contains.

XYZ(46.4603, 37.1249, 99.3248)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(46.4603, 37.1249,
99.3248)**

Conversions

Conversions Part 1

Format	Color
Hex	B192FF
RGB	177, 146, 255
RGB Percent	69%, 57%, 100%
CMY	0.3059, 0.4274, 0.0000
CMYK	0.31, 0.43, 0.00, 0.00
HSL	257°, 100%, 79%
HSV	257°, 43%, 100%
XYZ	46.4603, 37.1249, 99.3248
YIQ	167.6950, -16.5130, 40.4710

Conversions

Conversions Part 2

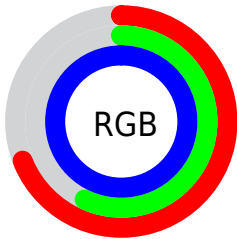
Format	Color
RYB	177, 146, 255
Decimal	11637503
CIELab	67.37, 34.51, -50.23
CIELCh	67, 60.940, 304.495
Yxy	37.1249, 0.2540, 0.2030
Android (android.graphics.Color)	4289827583 (0xFFB192FF)
YUV	167.6950, 43.0414, 8.1605
Hunter-Lab	60.9302, 29.4814, -53.9999

Details

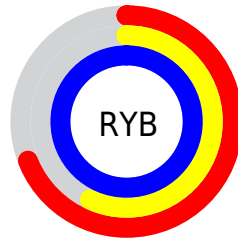
The XYZ color **46.4603, 37.1249, 99.3248** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **71.6890, 89.4427, 40.6812**, and the grayscale version is **36.8729, 38.7932, 42.2458**.

A 20% lighter version of the original color is **72.9652, 66.1907, 103.5381**, and **22.1704, 16.3266, 55.4089** is the 20% darker color. If you saturate the color by 10%, you get **39.0768, 28.1203, 97.9759**, and if you desaturate by 10%, it is **55.2787, 48.1718, 100.9923**.

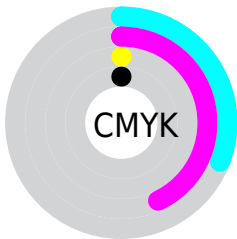
Distribution



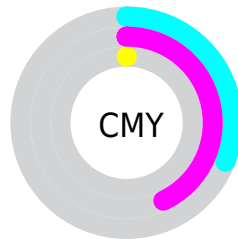
- Red (69%)
- Green (57%)
- Blue (100%)



- Red (69%)
- Yellow (57%)
- Blue (100%)



- Cyan (31%)
- Magenta (43%)
- Yellow (0%)
- Black (0%)





- Cyan (31%)
- Magenta (43%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.4603, 37.1249, 99.3248 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 46.4603, 37.1249, 99.3248 by changing the saturation by 10% instead.


 46.4603, 37.1249,
99.3248

 46.4603, 37.1249,
99.3248

363.3411,
333.8510, 579.2539

 32.8154, 25.3042,
75.1230


 84.1311, 70.7648,
162.2728

 22.1436, 16.3038,
55.2113

 108.8877, 93.3529,
201.8561

 14.0796, 9.7394,
39.1712


138.0789,
120.2988, 247.4036

 8.2582, 5.2265,
26.5841

172.0700,
151.9871, 299.3339

 4.3138, 2.3808,
17.0314

211.2264,
188.8020, 358.0656

 1.8811, 0.8160,
10.0947

255.9135,

 0.5658, 0.0000,

231.1280, 424.0171

5.3554

306.4966,
279.3496, 497.6070

■ 0.0000, 0.0000,
2.3949

■ 0.0000, 0.0000,
0.7837

■ 46.4603, 37.1249,
99.3248

■ 46.4603, 37.1249,
99.3248

■ 39.0768, 28.1203,
97.9759

■ 55.2787, 48.1718,
100.9923

■ 33.0436, 21.0247,
96.9243

■ 65.6023, 61.3747,
102.9966

■ 28.2722, 15.6951,
96.1471

■ 77.5014, 76.8436,
105.3553

■ 24.6613, 11.9655,
95.6175

■ 91.0403, 94.6795,
108.0844

■ 22.0908, 9.6364,
95.3034

95.0500, 100.0000,
108.9000

■ 20.7618, 8.6180,
95.1769

Harmonies

Analogous

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



36.7118, 37.1249, 116.3904



46.4603, 37.1249, 99.3248



54.0945, 37.1249, 66.8472

Triad

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



46.4603, 37.1249, 99.3248



43.5940, 37.1249, 9.5115



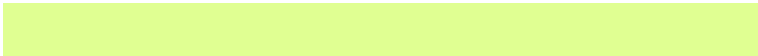
20.2448, 37.1249, 44.5873

Complementary

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



46.4603, 37.1249, 99.3248



71.6890, 89.4427, 40.6812

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.



21.4373, 37.1249, 22.0806



46.4603, 37.1249, 99.3248



33.8978, 37.1249, 7.7794

Square

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



46.4603, 37.1249, 99.3248



52.2455, 37.1249, 17.7377



26.0647, 37.1249, 11.1313



22.4624, 37.1249, 77.0892

Rectangle

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



46.4603, 37.1249, 99.3248



56.3407, 37.1249, 45.5581



26.0647, 37.1249, 11.1313



20.2639, 37.1249, 35.6885

Sweetspot

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



46.4616, 37.1263, 99.3250



77.1763, 76.4182, 105.2903



56.5919, 66.7058, 104.5005



15.9290, 15.5858, 22.4188



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.



46.4616, 37.1263, 99.3250



40.2649, 29.5494, 98.1892



61.4085, 44.8317, 100.0245



17.4881, 17.6279, 22.7307



10.9741, 4.5678, 49.7379



1.1702, 0.4972, 4.8476

Inverse Universe

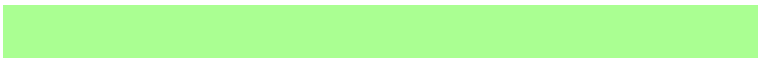
The Inverse Universe completely reimagines the original color for something new.



64.9739, 47.2006, 76.2071



61.2238, 40.9772, 71.0206



57.4439, 82.0991, 40.0146



18.5594, 18.2071, 21.5631



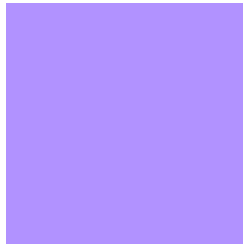
26.0538, 12.9108, 24.7317



2.5838, 1.2759, 2.6556

Previews

White Background



This preview shows how the XYZ color 46.4603, 37.1249, 99.3248 looks on a white background.

Color Contrast Check

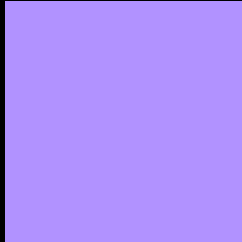
Large Text (above 18pt) WCAG AA × Fail

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 46.4603, 37.1249, 99.3248 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

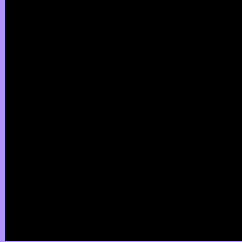
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.4603, 37.1249, 99.3248

Background



This preview shows how black text looks on a background with the XYZ color 46.4603, 37.1249, 99.3248.



This preview shows how white text looks on a background with the XYZ color 46.4603, 37.1249,

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

46.4603, 37.1249, 99.3248

Protanopia

39.8481, 37.3769, 99.7220

Deuteranopia

38.5732, 37.5809, 96.4876



Tritanopia

35.6316, 36.9060, 46.3199

Trichromacy



Original Color

46.4603, 37.1249, 99.3248

Protanomaly

41.7925, 37.1079, 99.5676

Deuteranomaly

40.6122, 36.8049, 97.0590

Tritanomaly

39.0128, 36.7372, 62.7924

Monochromacy



Original Color

46.4603, 37.1249, 99.3248

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

39.7907, 37.9697, 59.8753

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.4603, 37.1249, 99.3248 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(177, 146, 255)` looks like.

```
.text, #text, p{  
    color:rgb(177, 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(177, 146, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 146, 255) }
```

Border

The CSS property to change the border of an element to XYZ 46.4603, 37.1249, 99.3248 is called "border". The border property can be set on classes, ids or directly on the HTML element.

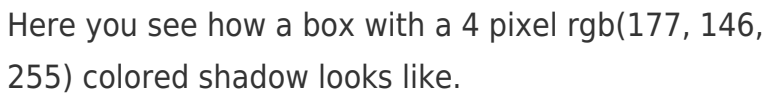
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(177, 146, 255) }
```


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

```
.border{ border-color:rgb(177, 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(177, 146, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(177, 146, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(177, 146, 255); box-shadow:4px 4px 4px 4px rgb(177, 146, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 46.4603, 37.1249, 99.3248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 146, 255) }
```

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

```
.background{ background-color: rgb(177,  
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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