

Converting Colors

XYZ(47.6791, 37.7384, 99.3790)

Have a look what the booklet for
XYZ(47.6791, 37.7384, 99.3790)
contains.

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Color

**XYZ(47.6203, 37.7229,
99.3791)**

Conversions

Conversions Part 1

Format	Color
Hex	B692FF
RGB	182, 146, 255
RGB Percent	71%, 57%, 100%
CMY	0.2863, 0.4274, 0.0000
CMYK	0.29, 0.43, 0.00, 0.00
HSL	260°, 100%, 79%
HSV	260°, 43%, 100%
XYZ	47.6203, 37.7229, 99.3791
YIQ	169.1900, -13.5330, 41.5310

Conversions

Conversions Part 2

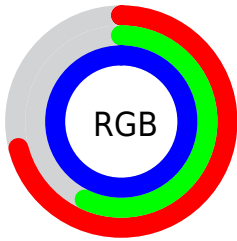
Format	Color
R_{YB}	182, 146, 255
Decimal	11965183
CIE _{Lab}	67.82, 35.84, -49.49
CIE _{LCh}	68, 61.109, 305.913
Yxy	37.7229, 0.2578, 0.2042
Android (android.graphics.Color)	4290155263 (0xFFB692FF)
YUV	169.1900, 42.3043, 11.2344
Hunter-Lab	61.4190, 30.9142, -52.9410

Details

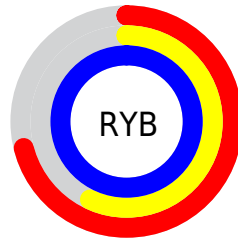
The XYZ color **47.6203, 37.7229, 99.3791** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **70.1620, 88.6555, 40.6098**, and the grayscale version is **37.6093, 39.5679, 43.0895**.

A 20% lighter version of the original color is **74.6395, 67.0538, 103.6165**, and **22.8894, 16.6973, 55.4426** is the 20% darker color. If you saturate the color by 10%, you get **40.3287, 28.7657, 98.0345**, and if you desaturate by 10%, it is **56.2829, 48.6896, 101.0393**.

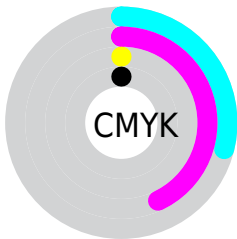
Distribution



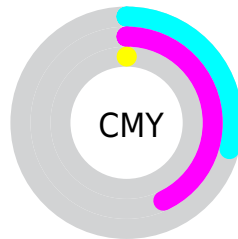
- Red (71%)
- Green (57%)
- Blue (100%)



- 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 47.6203, 37.7229, 99.3791 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 47.6203, 37.7229, 99.3791 by changing the saturation by 10% instead.


 47.6203, 37.7229,
99.3791


 47.6203, 37.7229,
99.3791

367.8928,
336.4298, 579.4298

 33.7363, 25.7677,
75.1681


 85.8519, 71.6832,
162.3481

 22.8530, 16.6499,
55.2481

 110.9302, 94.4571,
201.9432

 14.6051, 9.9852,
39.2004


140.4707,
121.6060, 247.5034

 8.6272, 5.3892,
26.6066

174.8387,
153.5144, 299.4472

 4.5540, 2.4774,
17.0482

214.3995,
190.5665, 358.1932

 2.0201, 0.8653,
10.1065

259.5186,

 0.6452, 0.0000,

233.1469, 424.1600

5.3631

310.5612,
281.6398, 497.7660

■ 0.0000, 0.0000,
2.3994

■ 0.0000, 0.0000,
0.7861

■ 47.6203, 37.7229,
99.3791

■ 47.6203, 37.7229,
99.3791

■ 40.3287, 28.7657,
98.0345

■ 56.2829, 48.6896,
101.0393

■ 34.3278, 21.6867,
96.9844

■ 66.3829, 61.7772,
103.0332

■ 29.5337, 16.3454,
96.2061

■ 77.9867, 77.0938,
105.3780

■ 25.8503, 12.5784,
95.6732

■ 91.1555, 94.7390,
108.0898

■ 23.1634, 10.1894,
95.3536

95.0500, 100.0000,
108.9000

■ 21.7261, 9.1151,
95.2220

Harmonies

Analogous

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



37.7617, 37.7229, 117.7607



47.6203, 37.7229, 99.3791



55.1614, 37.7229, 66.2210

Triad

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



47.6203, 37.7229, 99.3791



43.8043, 37.7229, 9.5052



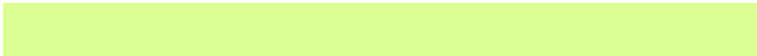
20.6312, 37.7229, 46.6792

Complementary

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



47.6203, 37.7229, 99.3791



70.1620, 88.6555, 40.6098

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.



21.6774, 37.7229, 23.2669



47.6203, 37.7229, 99.3791



34.0126, 37.7229, 7.9883

Square

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



47.6203, 37.7229, 99.3791



52.7010, 37.7229, 17.4643



26.2063, 37.7229, 11.6756



23.0454, 37.7229, 79.8453

Rectangle

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



47.6203, 37.7229, 99.3791



57.2365, 37.7229, 44.9004



26.2063, 37.7229, 11.6756



20.5962, 37.7229, 37.4711

Sweetspot

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



47.6216, 37.7243, 99.3793



77.6701, 76.6727, 105.3134



55.6252, 64.7723, 104.1783



16.0499, 15.6482, 22.4244



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.



47.6216, 37.7243, 99.3793



41.5052, 30.1888, 98.2472



62.5961, 45.4439, 100.0801



17.5681, 17.6691, 22.7345



11.4921, 4.8349, 49.7621



1.2288, 0.5274, 4.8503

Inverse Universe

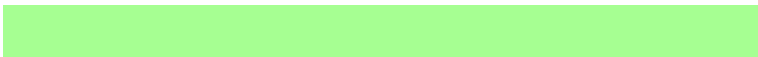
The Inverse Universe completely reimagines the original color for something new.



64.3056, 46.9333, 72.6876



60.4568, 40.6704, 66.9818



56.6715, 81.7009, 39.9785



18.5226, 18.1923, 21.3691



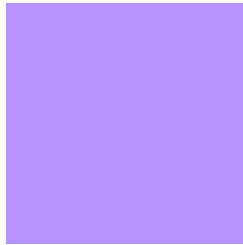
25.4505, 12.6695, 21.5548



2.5286, 1.2538, 2.3649

Previews

White Background



This preview shows how the XYZ color 47.6203, 37.7229, 99.3791 looks on a white background.

Color Contrast Check

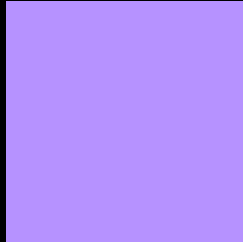
Large Text (above 18pt) WCAG AA × Fail

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 47.6203, 37.7229, 99.3791 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

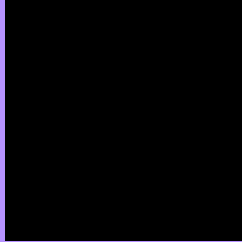
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.6203, 37.7229, 99.3791

Background



This preview shows how black text looks on a background with the XYZ color 47.6203, 37.7229, 99.3791.



This preview shows how white text looks on a background with the XYZ color 47.6203, 37.7229,

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

47.6203, 37.7229, 99.3791

Protanopia

40.3304, 37.8860, 99.7948

Deuteranopia

39.1799, 38.1604, 96.5675



Tritanopia

36.8700, 37.5445, 46.3778

Trichromacy



Original Color

47.6203, 37.7229, 99.3791

Protanomaly

42.5161, 37.4810, 99.6014

Deuteranomaly

41.4746, 37.5017, 97.1481

Tritanomaly

40.0897, 37.2924, 62.8428

Monochromacy



Original Color

47.6203, 37.7229, 99.3791

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

40.6258, 38.6585, 59.9642

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.6203, 37.7229, 99.3791 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(182, 146, 255)` looks like.

```
.text, #text, p{  
    color:rgb(182, 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(182, 146, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 146, 255) }
```

Border

The CSS property to change the border of an element to XYZ 47.6203, 37.7229, 99.3791 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(182, 146, 255) }
```


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

```
.border{ border-color:rgb(182, 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(182, 146, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 146, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 146, 255);  
box-shadow:4px 4px 4px 4px rgb(182, 146,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 47.6203, 37.7229, 99.3791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 146, 255) }
```

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

```
.background{ background-color: rgb(182,  
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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