

Converting Colors

XYZ(47.1918, 38.9123, 99.6313)

Have a look what the booklet for
XYZ(47.1918, 38.9123, 99.6313)
contains.

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Color

**XYZ(47.1827, 38.9066,
99.6307)**

Conversions

Conversions Part 1

Format	Color
Hex	B098FF
RGB	176, 152, 255
RGB Percent	69%, 60%, 100%
CMY	0.3098, 0.4039, 0.0000
CMYK	0.31, 0.40, 0.00, 0.00
HSL	254°, 100%, 80%
HSV	254°, 40%, 100%
XYZ	47.1827, 38.9066, 99.6307
YIQ	170.9180, -18.7590, 37.1210

Conversions

Conversions Part 2

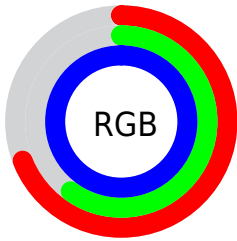
Format	Color
R_{YB}	176, 152, 255
Decimal	11573503
CIE _{Lab}	68.68, 30.88, -48.16
CIE _{LCh}	69, 57.212, 302.671
Yxy	38.9066, 0.2541, 0.2095
Android (android.graphics.Color)	4289763583 (0xFFB098FF)
YUV	170.9180, 41.4524, 4.4569
Hunter-Lab	62.3752, 25.8670, -51.0402

Details

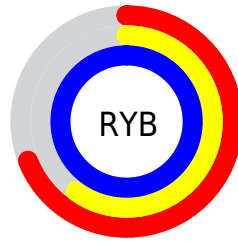
The XYZ color **47.1827, 38.9066, 99.6307** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **74.3828, 90.7760, 43.3083**, and the grayscale version is **38.4741, 40.4777, 44.0802**.

A 20% lighter version of the original color is **74.2945, 69.3381, 104.0756**, and **22.5925, 17.3776, 55.5895** is the 20% darker color. If you saturate the color by 10%, you get **39.3720, 29.3832, 98.2041**, and if you desaturate by 10%, it is **56.5227, 50.5405, 101.3840**.

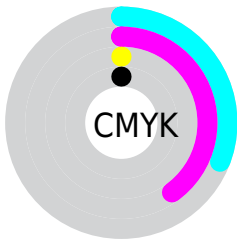
Distribution



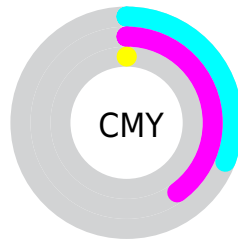
- Red (69%)
- Green (60%)
- Blue (100%)



- Red (69%)
- Yellow (60%)
- Blue (100%)



- Cyan (31%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)





- Cyan (31%)
- Magenta (40%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.1827, 38.9066, 99.6307 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 47.1827, 38.9066, 99.6307 by changing the saturation by 10% instead.


 47.1827, 38.9066,
99.6307


 47.1827, 38.9066,
99.6307


366.1801,
341.4932, 580.2446

 33.3887, 26.6871,
75.3770

 85.2034, 73.4956,
162.6970

 22.5850, 17.3383,
55.4182


 110.1607, 96.6339,
202.3467

 14.4064, 10.4760,
39.3358


139.5698,
124.1805, 247.9655

 8.4874, 5.7157,
26.7112

173.7961,
156.5200, 299.9719

 4.4628, 2.6730,
17.1259

213.2049,
194.0366, 358.7845

 1.9672, 0.9635,
10.1614

258.1616,

 0.6154, 0.0000,

237.1147, 424.8218

5.3991

309.0316,
286.1388, 498.5023

■ 0.0000, 0.0000,
2.4205

■ 0.0000, 0.0000,
0.7976

■ 47.1827, 38.9066,
99.6307

■ 47.1827, 38.9066,
99.6307

■ 39.3720, 29.3832,
98.2041

■ 56.5227, 50.5405,
101.3840

■ 33.0020, 21.8368,
97.0833

■ 67.4661, 64.3986,
103.4821

■ 27.9808, 16.1254,
96.2455

■ 80.0866, 80.5914,
105.9424

■ 24.2031, 12.0854,
95.6648

■ 94.4522, 99.2210,
108.7811

■ 21.5465, 9.5229,
95.3102

95.0500, 100.0000,
108.9000

■ 19.8786, 8.1627,
95.1356

Harmonies

Analogous

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



37.7958, 38.9066, 114.1197



47.1827, 38.9066, 99.6307



54.6781, 38.9066, 69.5851

Triad

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



47.1827, 38.9066, 99.6307



45.5508, 38.9066, 11.7355



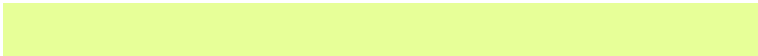
22.1876, 38.9066, 44.7260

Complementary

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



47.1827, 38.9066, 99.6307



74.3828, 90.7760, 43.3083

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.



23.5831, 38.9066, 23.3662



47.1827, 38.9066, 99.6307



36.1751, 38.9066, 9.5484

Square

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



47.1827, 38.9066, 99.6307



53.6331, 38.9066, 20.7657



28.3648, 38.9066, 12.7496



24.1885, 38.9066, 75.3323

Rectangle

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



47.1827, 38.9066, 99.6307



57.0460, 38.9066, 49.0382



28.3648, 38.9066, 12.7496



22.2753, 38.9066, 36.3222

Sweetspot

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



47.1840, 38.9080, 99.6309



77.9397, 77.8239, 105.5214



60.0491, 71.9948, 105.3392



16.3163, 16.1865, 22.5143



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.



47.1840, 38.9080, 99.6309



41.1053, 31.4754, 98.5166



60.5856, 45.8168, 100.2581



17.3991, 17.5819, 22.7266



10.4946, 4.3207, 49.7154



1.1130, 0.4677, 4.8449

Inverse Universe

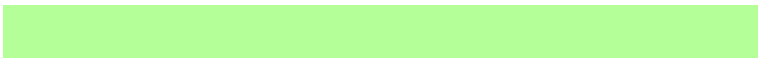
The Inverse Universe completely reimagines the original color for something new.



66.8926, 49.4871, 81.6276



63.3661, 43.4430, 77.3420



60.5274, 83.6333, 42.6599



18.6010, 18.2237, 21.7818



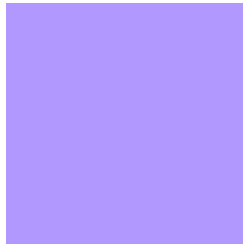
26.7906, 13.2055, 28.6114



2.6503, 1.3025, 3.0059

Previews

White Background



This preview shows how the XYZ color 47.1827, 38.9066, 99.6307 looks on a white background.

Color Contrast Check

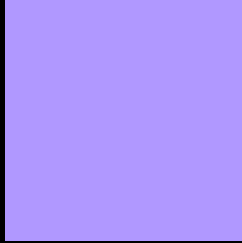
Large Text (above 18pt) WCAG AA × Fail

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 47.1827, 38.9066, 99.6307 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

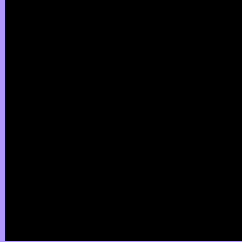
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.1827, 38.9066, 99.6307

Background



This preview shows how black text looks on a background with the XYZ color 47.1827, 38.9066, 99.6307.



This preview shows how white text looks on a background with the XYZ color 47.1827, 38.9066,

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

47.1827, 38.9066, 99.6307

Protanopia

41.4968, 39.2812, 100.0026

Deuteranopia

40.2915, 39.2549, 97.5488



Tritanopia

37.0411, 38.9185, 49.2758

Trichromacy



Original Color

47.1827, 38.9066, 99.6307

Protanomaly

43.1985, 38.8456, 99.8289

Deuteranomaly

42.3270, 38.9523, 98.2162

Tritanomaly

40.0314, 38.5017, 64.9962

Monochromacy



Original Color

47.1827, 38.9066, 99.6307

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

41.1697, 39.6994, 61.3700

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.1827, 38.9066, 99.6307 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(176, 152, 255)` looks like.

```
.text, #text, p{  
    color:rgb(176, 152, 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(176, 152, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 152, 255) }
```

Border

The CSS property to change the border of an element to XYZ 47.1827, 38.9066, 99.6307 is called "border". The border property can be set on classes, ids or directly on the HTML element.

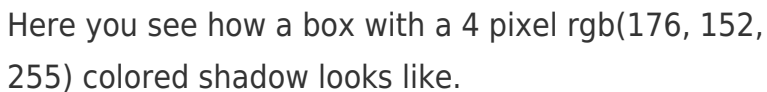
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(176, 152, 255) }
```


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

```
.border{ border-color:rgb(176, 152, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(176, 152, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 152, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 152, 255); box-shadow:4px 4px 4px 4px rgb(176, 152, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 47.1827, 38.9066, 99.6307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 152, 255) }
```

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

```
.background{ background-color: rgb(176,  
152, 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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