

Converting Colors

XYZ(47.7975, 38.9845, 99.6133)

Have a look what the booklet for
XYZ(47.7975, 38.9845, 99.6133)
contains.

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Color

**XYZ(47.7070, 38.9369,
99.6089)**

Conversions

Conversions Part 1

Format	Color
Hex	B397FF
RGB	179, 151, 255
RGB Percent	70%, 59%, 100%
CMY	0.2980, 0.4078, 0.0000
CMYK	0.30, 0.41, 0.00, 0.00
HSL	256°, 100%, 80%
HSV	256°, 41%, 100%
XYZ	47.7070, 38.9369, 99.6089
YIQ	171.2280, -16.6960, 38.2800

Conversions

Conversions Part 2

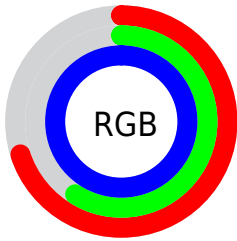
Format	Color
R_{YB}	179, 151, 255
Decimal	11769855
CIE _{Lab}	68.71, 32.25, -48.11
CIE _{LCh}	69, 57.918, 303.837
Yxy	38.9369, 0.2561, 0.2091
Android (android.graphics.Color)	4289959935 (0xFFB397FF)
YUV	171.2280, 41.2996, 6.8160
Hunter-Lab	62.3994, 27.2718, -50.9657

Details

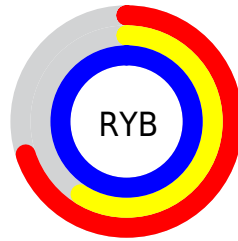
The XYZ color **47.7070, 38.9369, 99.6089** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **73.0246, 90.0853, 42.8189**, and the grayscale version is **38.6293, 40.6411, 44.2581**.

A 20% lighter version of the original color is **75.0464, 69.3671, 104.0416**, and **22.9186, 17.4025, 55.5772** is the 20% darker color. If you saturate the color by 10%, you get **40.0186, 29.5266, 98.1977**, and if you desaturate by 10%, it is **56.8675, 50.4249, 101.3435**.

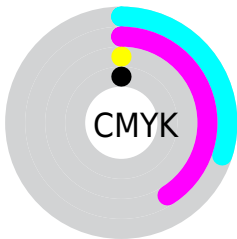
Distribution



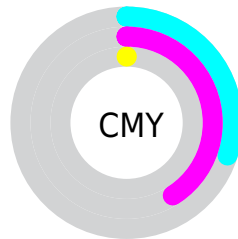
- Red (70%)
- Green (59%)
- Blue (100%)



- Red (70%)
- Yellow (59%)
- Blue (100%)



- Cyan (30%)
- Magenta (41%)
- Yellow (0%)
- Black (0%)





- Cyan (30%)
- Magenta (41%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.7070, 38.9369, 99.6089 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 47.7070, 38.9369, 99.6089 by changing the saturation by 10% instead.


 47.7070, 38.9369,
99.6089


 47.7070, 38.9369,
99.6089


368.2315,
341.6221, 580.1740

 33.8052, 26.7106,
75.3589


 85.9803, 73.5419,
162.6668

 22.9062, 17.3560,
55.4035


 111.0826, 96.6895,
202.3118

 14.6446, 10.4887,
39.3241


140.6490,
124.2462, 247.9255

 8.6550, 5.7241,
26.7021


175.0450,
156.5966, 299.9265

 4.5721, 2.6781,
17.1192

214.6359,
194.1250, 358.7333

 2.0306, 0.9661,
10.1567

259.7870,

 0.6511, 0.0000,

237.2158, 424.7644

5.3960

310.8638,
286.2534, 498.4385

■ 0.0000, 0.0000,
2.4187

■ 0.0000, 0.0000,
0.7966

■ 47.7070, 38.9369,
99.6089

■ 47.7070, 38.9369,
99.6089

■ 40.0186, 29.5266,
98.1977

■ 56.8675, 50.4249,
101.3435

■ 33.7173, 22.0623,
97.0891

■ 67.5706, 64.1029,
103.4195

■ 28.7153, 16.4034,
96.2604

■ 79.8870, 80.0800,
105.8542

■ 24.9116, 12.3879,
95.6859

■ 93.8814, 98.4568,
108.6637

■ 22.1888, 9.8234,
95.3344

95.0500, 100.0000,
108.9000

■ 20.4800, 8.4727,
95.1637

Harmonies

Analogous

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



38.1994, 38.9369, 115.2627



47.7070, 38.9369, 99.6089



55.1734, 38.9369, 68.7519

Triad

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



47.7070, 38.9369, 99.6089



45.3299, 38.9369, 11.3263



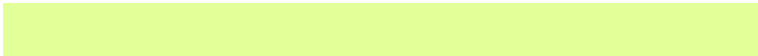
22.0703, 38.9369, 45.8611

Complementary

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



47.7070, 38.9369, 99.6089



73.0246, 90.0853, 42.8189

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.



23.3446, 38.9369, 23.8176



47.7070, 38.9369, 99.6089



35.8424, 38.9369, 9.3562

Square

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



47.7070, 38.9369, 99.6089



53.6497, 38.9369, 20.0551



28.0422, 38.9369, 12.7848



24.2222, 38.9369, 77.1406

Rectangle

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



47.7070, 38.9369, 99.6089



57.4255, 38.9369, 48.0449



28.0422, 38.9369, 12.7848



22.1145, 38.9369, 37.2076

Sweetspot

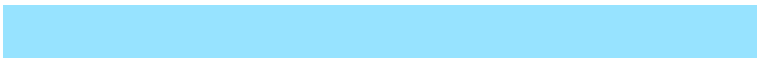
The Sweet Spot groups the original color and five complimentary colors.



47.7083, 38.9383, 99.6091



78.2998, 78.0095, 105.5382



58.3554, 68.8842, 104.8281



16.4006, 16.2299, 22.5182



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.



47.7083, 38.9383, 99.6091



41.2856, 31.0583, 98.4266



61.9863, 46.2989, 100.2773



17.4618, 17.6143, 22.7295



10.8217, 4.4893, 49.7307



1.1524, 0.4880, 4.8467

Inverse Universe

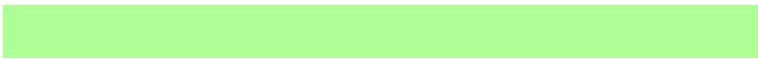
The Inverse Universe completely reimagines the original color for something new.



66.1722, 48.9403, 78.6316



62.3282, 42.4781, 73.5712



59.0858, 82.8996, 42.1666



18.5717, 18.2120, 21.6275



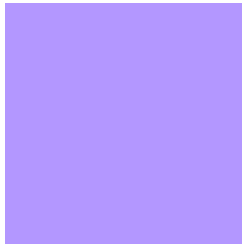
26.2645, 12.9951, 25.8413



2.6029, 1.2835, 2.7563

Previews

White Background



This preview shows how the XYZ color 47.7070, 38.9369, 99.6089 looks on a white background.

Color Contrast Check

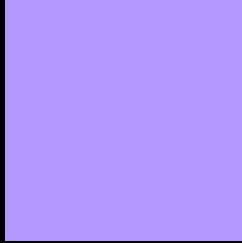
Large Text (above 18pt) WCAG AA × Fail

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 47.7070, 38.9369, 99.6089 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

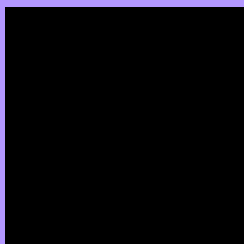
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.7070, 38.9369, 99.6089

Background



This preview shows how black text looks on a background with the XYZ color 47.7070, 38.9369, 99.6089.



This preview shows how white text looks on a background with the XYZ color 47.7070, 38.9369,

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

47.7070, 38.9369, 99.6089

Protanopia

41.4968, 39.2812, 100.0026

Deuteranopia

40.4427, 39.3328, 97.5559



Tritanopia

37.3668, 38.8252, 48.7046

Trichromacy



Original Color

47.7070, 38.9369, 99.6089

Protanomaly

43.3833, 38.9409, 99.8375

Deuteranomaly

42.5071, 38.7846, 98.1743

Tritanomaly

40.3695, 38.4297, 64.3215

Monochromacy



Original Color

47.7070, 38.9369, 99.6089

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

41.3917, 39.8139, 61.3804

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.7070, 38.9369, 99.6089 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(179, 151, 255)` looks like.

```
.text, #text, p{  
    color:rgb(179, 151, 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(179, 151, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 151, 255) }
```

Border

The CSS property to change the border of an element to XYZ 47.7070, 38.9369, 99.6089 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(179, 151, 255) }
```


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

```
.border{ border-color:rgb(179, 151, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 151, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 151, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 151, 255);  
box-shadow:4px 4px 4px 4px rgb(179, 151,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 47.7070, 38.9369, 99.6089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 151, 255) }
```

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

```
.background{ background-color: rgb(179,  
151, 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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