

Converting Colors

XYZ(47.6959, 39.2895, 99.6775)

Have a look what the booklet for
XYZ(47.6959, 39.2895, 99.6775)
contains.

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Color

**XYZ(47.6383, 39.1415,
99.6520)**

Conversions

Conversions Part 1

Format	Color
Hex	B298FF
RGB	178, 152, 255
RGB Percent	70%, 60%, 100%
CMY	0.3019, 0.4039, 0.0000
CMYK	0.30, 0.40, 0.00, 0.00
HSL	255°, 100%, 80%
HSV	255°, 40%, 100%
XYZ	47.6383, 39.1415, 99.6520
YIQ	171.5160, -17.5670, 37.5450

Conversions

Conversions Part 2

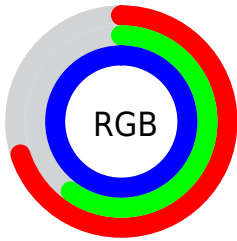
Format	Color
RYB	178, 152, 255
Decimal	11704575
CIELab	68.85, 31.42, -47.88
CIELCh	69, 57.270, 303.274
Yxy	39.1415, 0.2555, 0.2100
Android (android.graphics.Color)	4289894655 (0xFFB298FF)
YUV	171.5160, 41.1576, 5.6865
Hunter-Lab	62.5632, 26.4321, -50.6442

Details

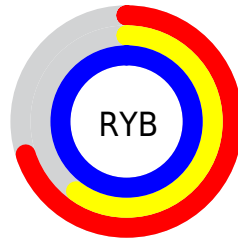
The XYZ color **47.6383, 39.1415, 99.6520** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **73.7410, 90.4452, 43.2783**, and the grayscale version is **38.7750, 40.7943, 44.4250**.

A 20% lighter version of the original color is **74.9549, 69.6785, 104.1065**, and **22.8728, 17.5222, 55.6027** is the 20% darker color. If you saturate the color by 10%, you get **39.8616, 29.6356, 98.2270**, and if you desaturate by 10%, it is **56.9150, 50.7428, 101.4023**.

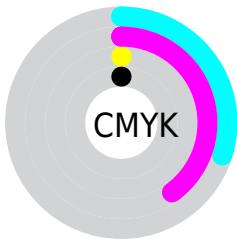
Distribution



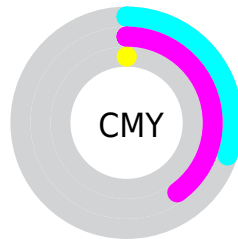
- Red (70%)
- Green (60%)
- Blue (100%)



- Red (70%)
- Yellow (60%)
- Blue (100%)



- Cyan (30%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)





- Cyan (30%)
- Magenta (40%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.6383, 39.1415, 99.6520 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 47.6383, 39.1415, 99.6520 by changing the saturation by 10% instead.


 47.6383, 39.1415,
99.6520


 47.6383, 39.1415,
99.6520


367.9631,
342.4917, 580.3135

 33.7506, 26.8698,
75.3947


 85.8786, 73.8544,
162.7266

 22.8640, 17.4755,
55.4326


 110.9619, 97.0645,
202.3809

 14.6133, 10.5741,
39.3473


140.5077,
124.6894, 248.0046

 8.6330, 5.7812,
26.7201

174.8815,
157.1137, 300.0163

 4.5578, 2.7125,
17.1325

214.4486,
194.7217, 358.8345

 2.0223, 0.9835,
10.1661

259.5743,

 0.6464, 0.0000,

237.8977, 424.8778

5.4022

310.6241,
287.0263, 498.5646

■ 0.0000, 0.0000,
2.4223

■ 0.0000, 0.0000,
0.7985

■ 47.6383, 39.1415,
99.6520

■ 47.6383, 39.1415,
99.6520

■ 39.8616, 29.6356,
98.2270

■ 56.9150, 50.7428,
101.4023

■ 33.4986, 22.0928,
97.1065

■ 67.7638, 64.5521,
103.4960

■ 28.4595, 16.3723,
96.2679

■ 80.2565, 80.6791,
105.9504

■ 24.6421, 12.3118,
95.6854

■ 94.4593, 99.2248,
108.7815

■ 21.9269, 9.7191,
95.3280

95.0500, 100.0000,
108.9000

■ 20.1885, 8.3224,
95.1501

Harmonies

Analogous

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



38.2099, 39.1415, 114.6595



47.6383, 39.1415, 99.6520



55.0967, 39.1415, 69.3221

Triad

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



47.6383, 39.1415, 99.6520



45.6286, 39.1415, 11.7236



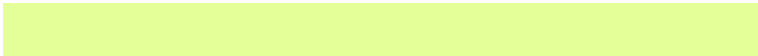
22.3407, 39.1415, 45.5414

Complementary

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



47.6383, 39.1415, 99.6520



73.7410, 90.4452, 43.2783

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.



23.6750, 39.1415, 23.8399



47.6383, 39.1415, 99.6520



36.2136, 39.1415, 9.6346

Square

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



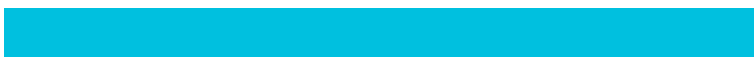
47.6383, 39.1415, 99.6520



53.8100, 39.1415, 20.6340



28.4148, 39.1415, 12.9747



24.4212, 39.1415, 76.3981

Rectangle

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



47.6383, 39.1415, 99.6520



57.3974, 39.1415, 48.7530



28.4148, 39.1415, 12.9747



22.4061, 39.1415, 37.0213

Sweetspot

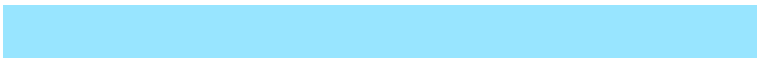
The Sweet Spot groups the original color and five complimentary colors.



47.6396, 39.1429, 99.6522



78.1324, 77.9232, 105.5304



59.0883, 70.0733, 105.0190



16.3614, 16.2097, 22.5164



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.



47.6396, 39.1429, 99.6522



41.5893, 31.7249, 98.5393



61.6720, 46.3769, 100.3089



17.4326, 17.5993, 22.7281



10.6636, 4.4078, 49.7233



1.1336, 0.4783, 4.8458

Inverse Universe

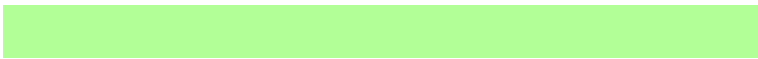
The Inverse Universe completely reimagines the original color for something new.



66.6117, 49.3748, 80.1484



63.0413, 43.3131, 75.6313



59.7312, 83.2228, 42.6227



18.5852, 18.2174, 21.6990



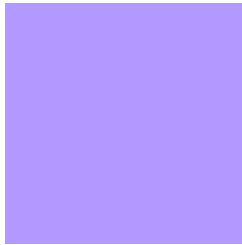
26.5046, 13.0911, 27.1055



2.6246, 1.2922, 2.8705

Previews

White Background



This preview shows how the XYZ color 47.6383, 39.1415, 99.6520 looks on a white background.

Color Contrast Check

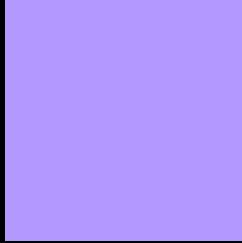
Large Text (above 18pt) WCAG AA × Fail

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 47.6383, 39.1415, 99.6520 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

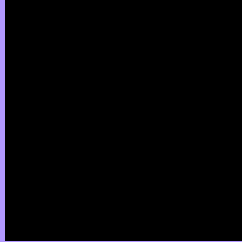
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.6383, 39.1415, 99.6520

Background



This preview shows how black text looks on a background with the XYZ color 47.6383, 39.1415, 99.6520.



This preview shows how white text looks on a background with the XYZ color 47.6383, 39.1415,

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

47.6383, 39.1415, 99.6520

Protanopia

41.6585, 39.3645, 100.0102

Deuteranopia

40.5953, 39.4115, 97.5630



Tritanopia

37.4474, 39.1280, 49.2948

Trichromacy



Original Color

47.6383, 39.1415, 99.6520

Protanomaly

43.3833, 38.9409, 99.8375

Deuteranomaly

42.6826, 39.1356, 98.2328

Tritanomaly

40.4539, 38.7196, 65.0160

Monochromacy



Original Color

47.6383, 39.1415, 99.6520

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

41.5714, 40.1732, 61.4403

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.6383, 39.1415, 99.6520 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(178, 152, 255)` looks like.

```
.text, #text, p{  
    color:rgb(178, 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(178, 152, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 152, 255) }
```

Border

The CSS property to change the border of an element to XYZ 47.6383, 39.1415, 99.6520 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(178, 152, 255) }
```


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

```
.border{ border-color:rgb(178, 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(178, 152, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 152, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 152, 255);  
box-shadow:4px 4px 4px 4px rgb(178, 152,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 47.6383, 39.1415, 99.6520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 152, 255) }
```

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

```
.background{ background-color: rgb(178,  
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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