

Converting Colors

XYZ(47.9777, 39.3444, 98.7783)

Have a look what the booklet for
XYZ(47.9777, 39.3444, 98.7783)
contains.

XYZ(47.9400, 39.3155, 98.8279)	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(47.9400, 39.3155,
98.8279)**

Conversions

Conversions Part 1

Format	Color
Hex	B498FE
RGB	180, 152, 254
RGB Percent	71%, 60%, 100%
CMY	0.2941, 0.4039, 0.0039
CMYK	0.29, 0.40, 0.00, 0.00
HSL	256°, 98%, 80%
HSV	256°, 40%, 100%
XYZ	47.9400, 39.3155, 98.8279
YIQ	172.0000, -16.0540, 37.6580

Conversions

Conversions Part 2

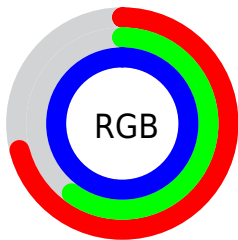
Format	Color
R _Y B	180, 152, 254
Decimal	11835646
CIE Lab	68.98, 31.72, -47.13
CIE LCh	69, 56.806, 303.940
Yxy	39.3155, 0.2576, 0.2113
Android (android.graphics.Color)	4290025726 (0xFFB498FE)
YUV	172.0000, 40.4260, 7.0160
Hunter-Lab	62.7021, 26.7468, -49.5585

Details

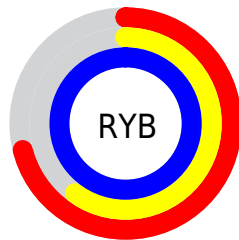
The XYZ color **47.9400, 39.3155, 98.8279** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **72.4741, 89.3201, 43.1278**, and the grayscale version is **39.0217, 41.0539, 44.7077**.

A 20% lighter version of the original color is **75.6227, 70.0228, 104.1377**, and **23.0439, 17.6237, 55.0105** is the 20% darker color. If you saturate the color by 10%, you get **40.2420, 29.8693, 97.4110**, and if you desaturate by 10%, it is **57.0938, 50.8240, 100.5675**.

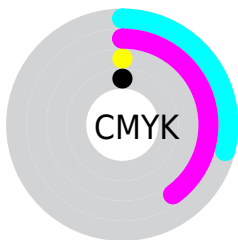
Distribution



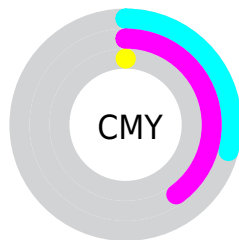
- Red (71%)
- Green (60%)
- Blue (100%)



- Red (71%)
- Yellow (60%)
- Blue (100%)



- Cyan (29%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)





- Cyan (29%)
- Magenta (40%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.9400, 39.3155, 98.8279 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 47.9400, 39.3155, 98.8279 by changing the saturation by 10% instead.


 47.9400, 39.3155,
98.8279

 47.9400, 39.3155,
98.8279

369.1408,
343.2300, 577.6428

 33.9904, 27.0053,
74.7106


 86.3253, 74.1200,
161.5833

 23.0491, 17.5772,
54.8755


 111.4917, 97.3831,
201.0585

 14.7507, 10.6468,
38.9042


141.1278,
125.0660, 246.4901

 8.7298, 5.8299,
26.3779

175.5990,
157.5529, 298.2966

 4.6210, 2.7419,
16.8783

215.2705,
195.2284, 356.8966

 2.0591, 0.9985,
9.9867

260.5077,

 0.6668, 0.0000,

238.4768, 422.7086

5.2847

311.6760,
287.6826, 496.1512

■ 0.0000, 0.0000,
2.3536

■ 0.0000, 0.0000,
0.7610

■ 47.9400, 39.3155,
98.8279

■ 47.9400, 39.3155,
98.8279

■ 40.2420, 29.8693,
97.4110

■ 57.0938, 50.8240,
100.5675

■ 33.9164, 22.3556,
96.2941

■ 67.7721, 64.5048,
102.6454

■ 28.8772, 16.6366,
95.4559

■ 80.0442, 80.4654,
105.0793

■ 25.0263, 12.5538,
94.8708

■ 93.9736, 98.8047,
107.8849

■ 22.2491, 9.9194,
94.5086

94.8895, 99.9358,
108.0550

■ 20.3957, 8.4478,
94.3223

Harmonies

Analogous

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



38.5757, 39.3155, 114.1732



47.9400, 39.3155, 98.8279



55.2636, 39.3155, 68.6191

Triad

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



47.9400, 39.3155, 98.8279



45.5381, 39.3155, 11.8487



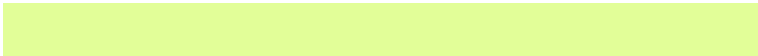
22.5686, 39.3155, 46.3214

Complementary

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



47.9400, 39.3155, 98.8279



72.4741, 89.3201, 43.1278

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.



23.8247, 39.3155, 24.4481



47.9400, 39.3155, 98.8279



36.1862, 39.3155, 9.8704

Square

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



47.9400, 39.3155, 98.8279



53.7272, 39.3155, 20.5915



28.4774, 39.3155, 13.3620



24.7207, 39.3155, 77.0603

Rectangle

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



47.9400, 39.3155, 98.8279



57.4602, 39.3155, 48.2823



28.4774, 39.3155, 13.3620



22.6087, 39.3155, 37.7638

Sweetspot

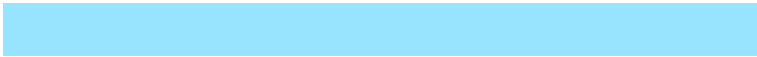
The Sweet Spot groups the original color and five complimentary colors.



47.9415, 39.3170, 98.8288



78.3524, 78.0366, 105.5407



58.2538, 68.6612, 103.9493



16.4129, 16.2363, 22.5188



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.



47.9415, 39.3170, 98.8288



42.1509, 32.0145, 98.5656



61.8161, 46.4697, 99.4781



17.4709, 17.6190, 22.7299



10.8736, 4.5160, 49.7332



1.1585, 0.4912, 4.8470

Inverse Universe

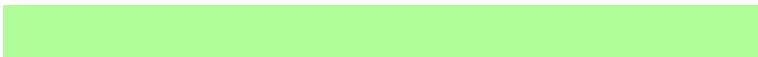
The Inverse Universe completely reimagines the original color for something new.



65.8297, 49.0195, 77.9441



62.6773, 43.1675, 73.7144



58.9697, 82.3584, 42.4959



18.5674, 18.2103, 21.6051



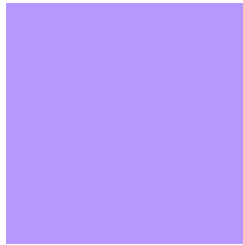
26.1906, 12.9655, 25.4521



2.5962, 1.2809, 2.7210

Previews

White Background



This preview shows how the XYZ color 47.9400, 39.3155, 98.8279 looks on a white background.

Color Contrast Check

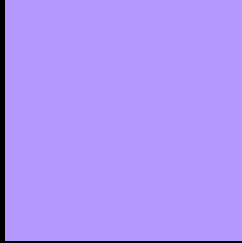
Large Text (above 18pt) WCAG AA × Fail

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 47.9400, 39.3155, 98.8279 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

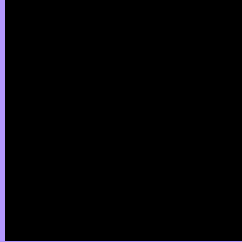
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.9400, 39.3155, 98.8279

Background



This preview shows how black text looks on a background with the XYZ color 47.9400, 39.3155, 98.8279.



This preview shows how white text looks on a background with the XYZ color 47.9400, 39.3155,

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

47.9400, 39.3155, 98.8279

Protanopia

41.6585, 39.3645, 100.0102

Deuteranopia

40.5914, 39.4278, 96.7377



Tritanopia

38.0690, 39.4485, 49.3239

Trichromacy



Original Color

47.9400, 39.3155, 98.8279

Protanomaly

43.5697, 39.0370, 99.8463

Deuteranomaly

42.8854, 39.2585, 97.4128

Tritanomaly

41.1001, 39.0527, 65.0462

Monochromacy



Original Color

47.9400, 39.3155, 98.8279

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

41.7950, 40.2885, 61.4507

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.9400, 39.3155, 98.8279 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(180, 152, 254)` looks like.

```
.text, #text, p{  
    color:rgb(180, 152, 254)  
}
```

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(180, 152, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 152, 254) }
```

Border

The CSS property to change the border of an element to XYZ 47.9400, 39.3155, 98.8279 is called "border". The border property can be set on classes, ids or directly on the HTML element.

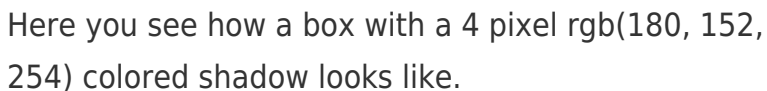
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(180, 152, 254) }
```


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

```
.border{ border-color:rgb(180, 152, 254) }
```

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



Here you see how a box with a 4 pixel `rgb(180, 152, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 152, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 152, 254);  
box-shadow:4px 4px 4px 4px rgb(180, 152,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 47.9400, 39.3155, 98.8279 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 152, 254) }
```

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

```
.background{ background-color: rgb(180,  
152, 254) }
```

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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