

Converting Colors

XYZ(55.0496, 40.6478,
117.2127)

Have a look what the booklet for
XYZ(55.0496, 40.6478, 117.2127)
contains.

XYZ(51.8427, 39.4459, 99.4891)	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(51.8427, 39.4459,
99.4891)**

Conversions

Conversions Part 1

Format	Color
Hex	C890FF
RGB	200, 144, 255
RGB Percent	78%, 56%, 100%
CMY	0.2157, 0.4353, 0.0000
CMYK	0.22, 0.44, 0.00, 0.00
HSL	270°, 100%, 78%
HSV	270°, 44%, 100%
XYZ	51.8427, 39.4459, 99.4891
YIQ	173.3980, -2.2550, 46.3930

Conversions

Conversions Part 2

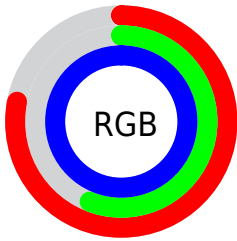
Format	Color
R _Y B	200, 144, 255
Decimal	13144319
CIE Lab	69.07, 41.83, -47.40
CIE LCh	69, 63.217, 311.431
Yxy	39.4459, 0.2717, 0.2068
Android (android.graphics.Color)	4291334399 (0xFFC890FF)
YUV	173.3980, 40.2298, 23.3300
Hunter-Lab	62.8060, 37.4310, -49.9554

Details

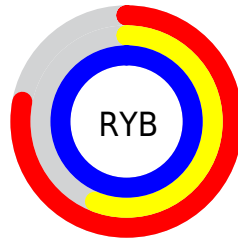
The XYZ color **51.8427, 39.4459, 99.4891** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **64.3477, 85.6760, 39.5327**, and the grayscale version is **39.7267, 41.7955, 45.5153**.

A 20% lighter version of the original color is **79.7134, 69.3268, 103.7878**, and **25.5218, 17.6608, 55.4898** is the 20% darker color. If you saturate the color by 10%, you get **45.1716, 30.9071, 98.1926**, and if you desaturate by 10%, it is **59.6675, 49.8758, 101.0899**.

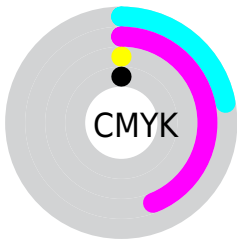
Distribution



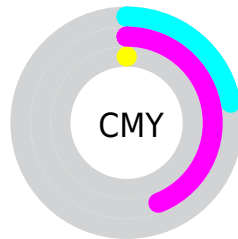
- Red (78%)
- Green (56%)
- Blue (100%)



- Red (78%)
- Yellow (56%)
- Blue (100%)



- Cyan (22%)
- Magenta (44%)
- Yellow (0%)
- Black (0%)





- Cyan (22%)
- Magenta (44%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.8427, 39.4459, 99.4891 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 51.8427, 39.4459, 99.4891 by changing the saturation by 10% instead.

 51.8427, 39.4459,
99.4891

 51.8427, 39.4459,
99.4891


384.1630,
343.7826, 579.7861

 37.1035, 27.1068,
75.2594

 92.0748, 74.3190,
162.5007

 25.4617, 17.6534,
55.3224


 118.2984, 97.6218,
202.1196

 16.5519, 10.7015,
39.2596


149.0808,
125.3479, 247.7054

 10.0088, 5.8665,
26.6524

184.7875,
157.8818, 299.6766

 5.4671, 2.7641,
17.0822

225.7836,
195.6078, 358.4518

 2.5614, 1.0098,
10.1305

272.4347,

 0.9263, 0.0000,

238.9103, 424.4494

5.3788

325.1060,
288.1738, 498.0880

■ 0.0000, 0.0000,
2.4086

■ 0.0000, 0.0000,
0.7911

■ 51.8427, 39.4459,
99.4891

■ 51.8427, 39.4459,
99.4891

■ 45.1716, 30.9071,
98.1926

■ 59.6675, 49.8758,
101.0899

■ 39.5840, 24.1325,
97.1795

■ 68.7024, 62.3033,
103.0125

■ 35.0075, 18.9862,
96.4273

■ 79.0045, 76.8324,
105.2739

■ 31.3572, 15.3094,
95.9100

■ 90.6260, 93.5582,
107.8898

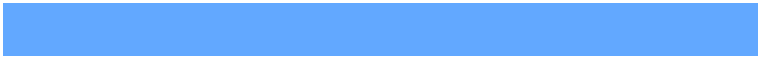
■ 28.5313, 12.9096, 95.0500, 100.0000,
95.5958 108.9000

■ 27.0503, 11.8599,
95.4712

Harmonies

Analogous

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



41.4680, 39.4459, 123.6135



51.8427, 39.4459, 99.4891



59.0408, 39.4459, 63.1721

Triad

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



51.8427, 39.4459, 99.4891



44.0121, 39.4459, 8.8860



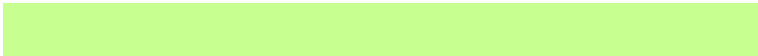
21.5169, 39.4459, 54.9230

Complementary

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



51.8427, 39.4459, 99.4891



64.3477, 85.6760, 39.5327

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.



21.9513, 39.4459, 27.5818



51.8427, 39.4459, 99.4891



33.7789, 39.4459, 8.2746

Square

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



51.8427, 39.4459, 99.4891



53.9903, 39.4459, 15.6864



26.0691, 39.4459, 13.3188



24.7522, 39.4459, 91.1738

Rectangle

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



51.8427, 39.4459, 99.4891



60.4094, 39.4459, 41.5777



26.0691, 39.4459, 13.3188



21.2565, 39.4459, 44.3519

Sweetspot

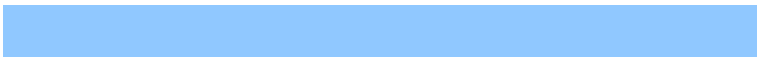
The Sweet Spot groups the original color and five complimentary colors.



51.8440, 39.4474, 99.4894



79.5846, 77.6597, 105.4030



50.0914, 54.2278, 102.4347



16.5205, 15.8908, 22.4464



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.



51.8440, 39.4474, 99.4894



46.1192, 32.0945, 98.3719



69.2638, 48.4277, 100.3046



17.8765, 17.8281, 22.7489



14.3069, 6.2860, 49.8938



1.5190, 0.6770, 4.8639

Inverse Universe

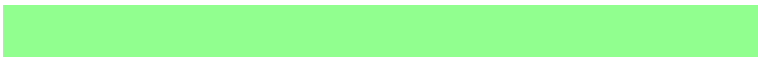
The Inverse Universe completely reimagines the original color for something new.



61.5227, 45.3312, 59.5405



57.3368, 38.9127, 52.1232



52.2966, 79.4634, 38.9687



18.3846, 18.1372, 20.6427



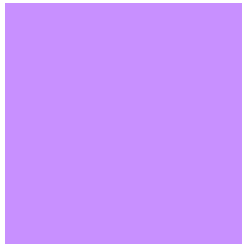
23.6035, 11.9307, 11.8286



2.3533, 1.1837, 1.4417

Previews

White Background



This preview shows how the XYZ color 51.8427, 39.4459, 99.4891 looks on a white background.

Color Contrast Check

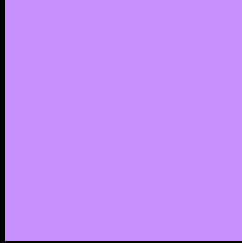
Large Text (above 18pt) WCAG AA × Fail

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 51.8427, 39.4459, 99.4891 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

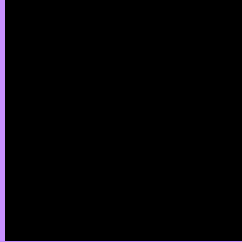
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.8427, 39.4459, 99.4891

Background



This preview shows how black text looks on a background with the XYZ color 51.8427, 39.4459, 99.4891.



This preview shows how white text looks on a background with the XYZ color 51.8427, 39.4459,

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

51.8427, 39.4459, 99.4891

Protanopia

42.0027, 39.8108, 100.0782

Deuteranopia

40.9308, 39.8939, 95.9855



Tritanopia

40.9079, 39.3749, 46.0015

Trichromacy



Original Color

51.8427, 39.4459, 99.4891



Protanomaly

44.7741, 39.1473, 99.8041



Deuteranomaly

43.8735, 38.9926, 97.3094

Tritanomaly

44.1063, 38.8787, 62.3064

Monochromacy



Original Color

51.8427, 39.4459, 99.4891



Achromatopsia

39.7200, 41.7885, 45.5077



Achromatomaly

43.2283, 40.2197, 61.9847

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.8427, 39.4459, 99.4891 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(200, 144, 255)` looks like.

```
.text, #text, p{  
    color:rgb(200, 144, 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(200, 144, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 144, 255) }
```

Border

The CSS property to change the border of an element to XYZ 51.8427, 39.4459, 99.4891 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(200, 144, 255) }
```


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

```
.border{ border-color:rgb(200, 144, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 144, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 144, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 144, 255);  
box-shadow:4px 4px 4px 4px rgb(200, 144,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 51.8427, 39.4459, 99.4891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 144, 255) }
```

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

```
.background{ background-color: rgb(200,  
144, 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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