

Converting Colors

XYZ(51.9983, 39.7545, 99.5405)

Have a look what the booklet for
XYZ(51.9983, 39.7545, 99.5405)
contains.

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Color

**XYZ(51.9948, 39.7502,
99.5399)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | C891FF |
| RGB | 200, 145, 255 |
| RGB Percent | 78%, 57%, 100% |
| CMY | 0.2157, 0.4314, 0.0000 |
| CMYK | 0.22, 0.43, 0.00, 0.00 |
| HSL | 270°, 100%, 78% |
| HSV | 270°, 43%, 100% |
| XYZ | 51.9948, 39.7502, 99.5399 |
| YIQ | 173.9850, -2.5300, 45.8700 |

Conversions

Conversions Part 2

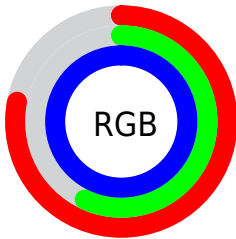
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 200, 145, 255 |
| Decimal | 13144575 |
| CIE Lab | 69.29, 41.29, -47.05 |
| CIE LCh | 69, 62.602, 311.268 |
| Yxy | 39.7502, 0.2718, 0.2078 |
| Android (android.graphics.Color) | 4291334655 (0xFFC891FF) |
| YUV | 173.9850, 39.9404, 22.8152 |
| Hunter-Lab | 63.0478, 36.8734, -49.4737 |

Details

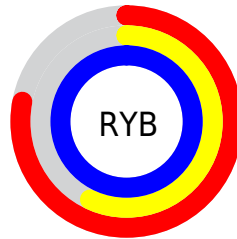
The XYZ color **51.9948, 39.7502, 99.5399** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **64.6909, 85.8440, 39.9496**, and the grayscale version is **40.0281, 42.1127, 45.8607**.

A 20% lighter version of the original color is **79.9443, 69.7886, 103.8648**, and **25.6090, 17.8352, 55.5189** is the 20% darker color. If you saturate the color by 10%, you get **45.2624, 31.1306, 98.2310**, and if you desaturate by 10%, it is **59.8882, 50.2679, 101.1540**.

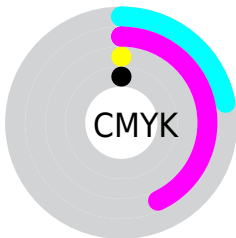
Distribution



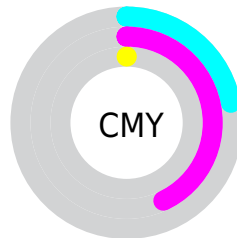
- Red (78%)
- Green (57%)
- Blue (100%)



- Red (78%)
- Yellow (57%)
- Blue (100%)



- Cyan (22%)
- Magenta (43%)
- Yellow (0%)
- Black (0%)





- Cyan (22%)
- Magenta (43%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.9948, 39.7502, 99.5399 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 51.9948, 39.7502, 99.5399 by changing the saturation by 10% instead.


 51.9948, 39.7502,
99.5399


 51.9948, 39.7502,
99.5399


384.7408,
345.0696, 579.9506

 37.2252, 27.3438,
75.3016

 92.2978, 74.7830,
162.5711

 25.5564, 17.8316,
55.3568


 118.5620, 98.1782,
202.2011

 16.6230, 10.8292,
39.2869


149.3883,
126.0051, 247.7988

 10.0597, 5.9521,
26.6735

185.1423,
158.6482, 299.7826

 5.5011, 2.8160,
17.0979

226.1891,
196.4918, 358.5712

 2.5819, 1.0364,
10.1416

272.8943,

 0.9368, 0.0000,

239.9203, 424.5830

5.3861

325.6230,
289.3181, 498.2366

■ 0.0000, 0.0000,
2.4129

■ 0.0000, 0.0000,
0.7934

■ 51.9948, 39.7502,
99.5399

■ 51.9948, 39.7502,
99.5399

■ 45.2624, 31.1306,
98.2310

■ 59.8882, 50.2679,
101.1540

■ 39.6209, 24.2827,
97.2065

■ 68.9990, 62.7901,
103.0908

■ 34.9979, 19.0710,
96.4442

■ 79.3843, 77.4203,
105.3673

■ 31.3090, 15.3379,
95.9181

■ 91.0964, 94.2536,
107.9992

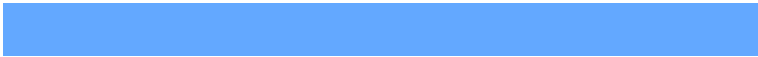
■ 28.4529, 12.8922, 95.0500, 100.0000,
95.5965 108.9000

■ 26.8773, 11.7706,
95.4631

Harmonies

Analogous

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



41.6794, 39.7502, 123.2731



51.9948, 39.7502, 99.5399



59.1655, 39.7502, 63.5702

Triad

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



51.9948, 39.7502, 99.5399



44.3248, 39.7502, 9.2021



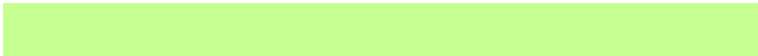
21.8380, 39.7502, 55.0047

Complementary

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



51.9948, 39.7502, 99.5399



64.6909, 85.8440, 39.9496

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.



22.2924, 39.7502, 27.8460



51.9948, 39.7502, 99.5399



34.1343, 39.7502, 8.5544

Square

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



51.9948, 39.7502, 99.5399



54.2243, 39.7502, 16.1018



26.4275, 39.7502, 13.6105



25.0520, 39.7502, 90.9344

Rectangle

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



51.9948, 39.7502, 99.5399



60.5484, 39.7502, 42.0699



26.4275, 39.7502, 13.6105



21.5841, 39.7502, 44.5155

Sweetspot

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



51.9961, 39.7517, 99.5401



79.5343, 77.6337, 105.4006



50.3825, 54.5496, 102.4814



16.5081, 15.8844, 22.4459



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.



51.9961, 39.7517, 99.5401



45.9709, 32.0181, 98.3649



69.4160, 48.7320, 100.3553



17.8684, 17.8239, 22.7485



14.2161, 6.2392, 49.8896



1.5101, 0.6724, 4.8635

Inverse Universe

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



61.7915, 45.6822, 60.2052



57.4014, 38.9386, 52.4636



52.5489, 79.5846, 39.3814



18.3882, 18.1386, 20.6613



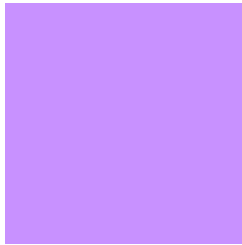
23.6428, 11.9464, 12.0355



2.3571, 1.1852, 1.4621

Previews

White Background



This preview shows how the XYZ color 51.9948, 39.7502, 99.5399 looks on a white background.

Color Contrast Check

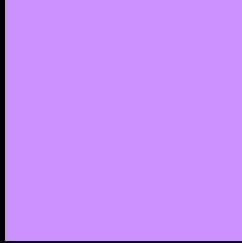
Large Text (above 18pt) WCAG AA × Fail

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 51.9948, 39.7502, 99.5399 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

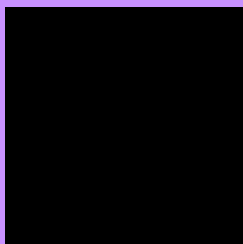
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.9948, 39.7502, 99.5399

Background



This preview shows how black text looks on a background with the XYZ color 51.9948, 39.7502, 99.5399.



This preview shows how white text looks on a background with the XYZ color 51.9948, 39.7502,

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

51.9948, 39.7502, 99.5399

Protanopia

42.3499, 40.2607, 100.1468

Deuteranopia

41.0895, 39.9757, 95.9929



Tritanopia

41.0848, 39.7286, 46.0604

Trichromacy



Original Color

51.9948, 39.7502, 99.5399



Protanomaly

45.1461, 39.5933, 99.8706



Deuteranomaly

44.2420, 39.4390, 97.3761

Tritanomaly

44.2734, 39.2129, 62.3621

Monochromacy



Original Color

51.9948, 39.7502, 99.5399



Achromatopsia

40.2316, 42.3268, 46.0938



Achromatomaly

43.4051, 40.5735, 62.0437

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.9948, 39.7502, 99.5399 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, 145, 255)` looks like.

```
.text, #text, p{  
    color:rgb(200, 145, 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, 145, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 145, 255) }
```

Border

The CSS property to change the border of an element to XYZ 51.9948, 39.7502, 99.5399 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, 145, 255) }
```


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

```
.border{ border-color:rgb(200, 145, 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, 145, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 145, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 145, 255);  
box-shadow:4px 4px 4px 4px rgb(200, 145,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 51.9948, 39.7502, 99.5399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 145, 255) }
```

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

```
.background{ background-color: rgb(200,  
145, 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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