

Converting Colors

XYZ(53.8311, 40.8867,
119.1545)

Have a look what the booklet for
XYZ(53.8311, 40.8867, 119.1545)
contains.

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Color

**XYZ(50.1258, 39.4762,
99.5855)**

Conversions

Conversions Part 1

Format	Color
Hex	BF94FF
RGB	191, 148, 255
RGB Percent	75%, 58%, 100%
CMY	0.2510, 0.4196, 0.0000
CMYK	0.25, 0.42, 0.00, 0.00
HSL	264°, 100%, 79%
HSV	264°, 42%, 100%
XYZ	50.1258, 39.4762, 99.5855
YIQ	173.0550, -8.7190, 42.3930

Conversions

Conversions Part 2

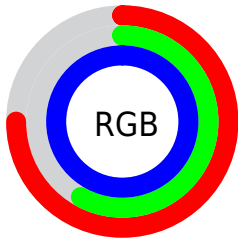
Format	Color
RYB	191, 148, 255
Decimal	12555519
CIELab	69.09, 37.18, -47.42
CIELCh	69, 60.258, 308.095
Yxy	39.4762, 0.2650, 0.2087
Android (android.graphics.Color)	4290745599 (0xFFBF94FF)
YUV	173.0550, 40.3989, 15.7378
Hunter-Lab	62.8301, 32.4545, -49.9934

Details

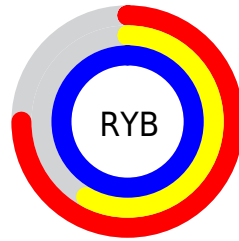
The XYZ color **50.1258, 39.4762, 99.5855** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **68.2570, 87.6553, 41.3401**, and the grayscale version is **39.5535, 41.6134, 45.3170**.

A 20% lighter version of the original color is **78.4729, 70.0716, 103.9969**, and **24.3676, 17.5939, 55.5377** is the 20% darker color. If you saturate the color by 10%, you get **42.9198, 30.4642, 98.2258**, and if you desaturate by 10%, it is **58.6148, 50.4590, 101.2580**.

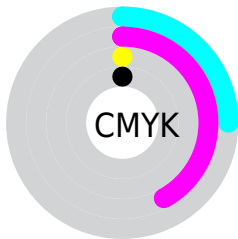
Distribution



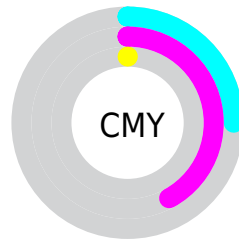
- Red (75%)
- Green (58%)
- Blue (100%)



- Red (75%)
- Yellow (58%)
- Blue (100%)



- Cyan (25%)
- Magenta (42%)
- Yellow (0%)
- Black (0%)




- Cyan (25%)
- Magenta (42%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.1258, 39.4762, 99.5855 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 50.1258, 39.4762, 99.5855 by changing the saturation by 10% instead.


 50.1258, 39.4762,
99.5855


 50.1258, 39.4762,
99.5855


377.6016,
343.9109, 580.0983

 35.7316, 27.1304,
75.3395

 89.5519, 74.3652,
162.6344

 24.3961, 17.6712,
55.3876

 115.3146, 97.6772,
202.2743

 15.7540, 10.7142,
39.3115

145.5974,
125.4134, 247.8825

 9.4400, 5.8750,
26.6924

180.7657,
157.9582, 299.8777

 5.0887, 2.7692,
17.1120

221.1850,
195.6959, 358.6783

 2.3347, 1.0125,
10.1515

267.2204,

 0.8123, 0.0000,

239.0110, 424.7029

5.3926

319.2375,
288.2879, 498.3700

■ 0.0000, 0.0000,
2.4167

■ 0.0000, 0.0000,
0.7955

■ 50.1258, 39.4762,
99.5855

■ 50.1258, 39.4762,
99.5855

■ 42.9198, 30.4642,
98.2258

■ 58.6148, 50.4590,
101.2580

■ 36.9222, 23.2952,
97.1581

■ 68.4477, 63.5204,
103.2608

■ 32.0560, 17.8330,
96.3603

■ 79.6860, 78.7655,
105.6111

■ 28.2323, 13.9197,
95.8065

■ 92.3857, 96.2910,
108.3245

■ 25.3456, 11.3657, 95.0500, 100.0000,
95.4657 108.9000

■ 23.5840, 10.0729,
95.3090

Harmonies

Analogous

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



40.1858, 39.4762, 119.6261



50.1258, 39.4762, 99.5855



57.4264, 39.4762, 65.9224

Triad

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



50.1258, 39.4762, 99.5855



44.8512, 39.4762, 10.1914



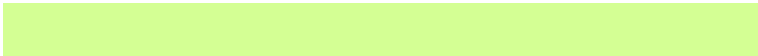
22.0291, 39.4762, 50.8807

Complementary

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



50.1258, 39.4762, 99.5855



68.2570, 87.6553, 41.3401

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.



22.8459, 39.4762, 26.0979



50.1258, 39.4762, 99.5855



34.9766, 39.4762, 8.9804

Square

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



50.1258, 39.4762, 99.5855



54.0368, 39.4762, 17.8880



27.2290, 39.4762, 13.3238



24.7682, 39.4762, 84.6377

Rectangle

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



50.1258, 39.4762, 99.5855



59.2039, 39.4762, 44.7671



27.2290, 39.4762, 13.3238



21.9073, 39.4762, 41.2467

Sweetspot

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



50.1271, 39.4777, 99.5857



78.4493, 77.0744, 105.3499



53.8572, 60.7040, 103.4862



16.2411, 15.7467, 22.4334



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.



50.1271, 39.4777, 99.5857



44.2344, 32.0809, 98.4686



66.0530, 47.6878, 100.3310



17.6940, 17.7340, 22.7404



12.4808, 5.3445, 49.8084



1.3347, 0.5820, 4.8553

Inverse Universe

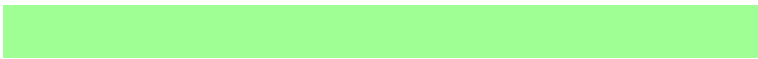
The Inverse Universe completely reimagines the original color for something new.



63.7142, 47.1944, 68.0389



59.7645, 40.9164, 61.7239



55.3448, 80.9988, 40.7358



18.4655, 18.1695, 21.0686



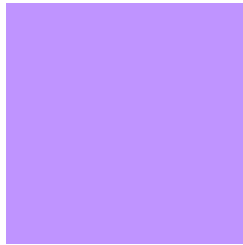
24.6083, 12.3326, 17.1198



2.4501, 1.2224, 1.9516

Previews

White Background



This preview shows how the XYZ color 50.1258, 39.4762, 99.5855 looks on a white background.

Color Contrast Check

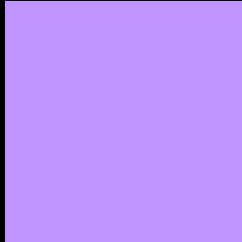
Large Text (above 18pt) WCAG AA × Fail

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 50.1258, 39.4762, 99.5855 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

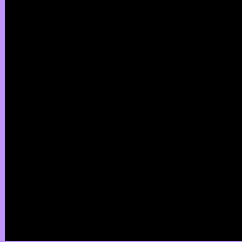
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.1258, 39.4762, 99.5855

Background



This preview shows how black text looks on a background with the XYZ color 50.1258, 39.4762, 99.5855.



This preview shows how white text looks on a background with the XYZ color 50.1258, 39.4762,

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

50.1258, 39.4762, 99.5855

Protanopia

42.0027, 39.8108, 100.0782

Deuteranopia

40.9309, 39.8758, 96.8063



Tritanopia

39.6225, 39.4717, 47.6500

Trichromacy



Original Color

50.1258, 39.4762, 99.5855

Protanomaly

44.3528, 39.1844, 99.8334

Deuteranomaly

43.4524, 39.2903, 97.3891

Tritanomaly

42.8301, 39.1976, 63.7010

Monochromacy



Original Color

50.1258, 39.4762, 99.5855

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

42.8773, 40.5660, 62.0701

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.1258, 39.4762, 99.5855 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(191, 148, 255)` looks like.

```
.text, #text, p{  
    color:rgb(191, 148, 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(191, 148, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 148, 255) }
```

Border

The CSS property to change the border of an element to XYZ 50.1258, 39.4762, 99.5855 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(191, 148, 255) }
```


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

```
.border{ border-color:rgb(191, 148, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 148, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 148, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 148, 255);  
box-shadow:4px 4px 4px 4px rgb(191, 148,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 50.1258, 39.4762, 99.5855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 148, 255) }
```

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

```
.background{ background-color: rgb(191,  
148, 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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