

Converting Colors

XYZ(63.1342, 39.3944, 98.8841)

Have a look what the booklet for XYZ(63.1342, 39.3944, 98.8841) contains.

- XYZ(63.1342, 39.3944, 98.8841) 3**
- Conversions*** 4
- Details*** 6
- Harmonies*** 12
- Previews*** 24
- Color Blindness Simulation*** 28
- CSS Examples*** 31

Color

**XYZ(63.1342, 39.3944,
98.8841)**

Conversions

Conversions Part 1

Format	Color
Hex	F972FF
RGB	249, 114, 255
RGB Percent	98%, 45%, 100%
CMY	0.0235, 0.5529, 0.0000
CMYK	0.02, 0.55, 0.00, 0.00
HSL	297°, 100%, 72%
HSV	297°, 55%, 100%
XYZ	63.1342, 39.3944, 98.8841
YIQ	170.4390, 35.1990, 72.4710

Conversions

Conversions Part 2

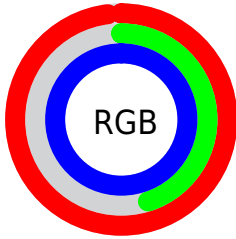
Format	Color
R _Y B	249, 114, 255
Decimal	16347903
CIE _{Lab}	69.04, 69.73, -47.07
CIE _{LCh}	69, 84.124, 325.980
Y _{xy}	39.3944, 0.3135, 0.1956
Android (android.graphics.Color)	4294537983 (0xFFFF972FF)
Y _{UV}	170.4390, 41.6886, 68.8980
Hunter-Lab	62.7650, 69.7114, -49.4739

Details

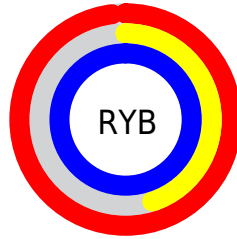
The XYZ color **63.1342, 39.3944, 98.8841** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **46.5440, 76.7285, 28.2785**, and the grayscale version is **38.2151, 40.2053, 43.7835**.

A 20% lighter version of the original color is **73.8529, 57.6058, 101.8343**, and **32.7474, 17.6627, 55.1093** is the 20% darker color. If you saturate the color by 10%, you get **60.2633, 34.2241, 98.0374**, and if you desaturate by 10%, it is **66.8115, 46.1722, 99.9985**.

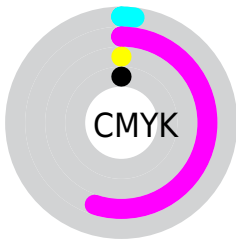
Distribution



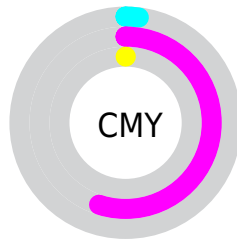
- Red (98%)
- Green (45%)
- Blue (100%)



- Red (98%)
- Yellow (45%)
- Blue (100%)



- Cyan (2%)
- Magenta (55%)
- Yellow (0%)
- Black (0%)





- Cyan (2%)
- Magenta (55%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.1342, 39.3944, 98.8841 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 63.1342, 39.3944, 98.8841 by changing the saturation by 10% instead.


 63.1342, 39.3944,
98.8841


 63.1342, 39.3944,
98.8841


425.7083,
343.5644, 577.8251

 46.2088, 27.0667,
74.7572

 108.4438, 74.2404,
161.6613

 32.6160, 17.6233,
54.9135


 137.5588, 97.5276,
201.1488

 21.9902, 10.6799,
38.9343

 171.4677,
125.2366, 246.5935

 13.9663, 5.8520,
26.4012

210.5358,
157.7519, 298.4140

 8.1788, 2.7553,
16.8956

255.1286,
195.4580, 357.0289

 4.2623, 1.0054,
9.9989

305.6114,

 1.8516, 0.0000,

238.7392, 422.8567

5.2926

362.3495,
287.9798, 496.3159

■ 0.5485, 0.0000,
2.3582

■ 0.0000, 0.0000,
0.7636

■ 63.1342, 39.3944,
98.8841

■ 63.1342, 39.3944,
98.8841

■ 60.2633, 34.2241,
98.0374

■ 66.8115, 46.1722,
99.9985

■ 58.1263, 30.5193,
97.4350

■ 71.3517, 54.6737,
101.4002

■ 56.6448, 28.1220,
97.0503

■ 76.8111, 65.0100,
103.1075

■ 55.7199, 26.8349,
96.8506

■ 83.2398, 77.2818,
105.1374

■ 55.4107, 26.4802,
96.7985

■ 90.6845, 91.5821,
107.5053

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



49.9101, 39.3944, 149.3899



63.1342, 39.3944, 98.8841



69.4982, 39.3944, 48.2815

Triad

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



63.1342, 39.3944, 98.8841



39.2800, 39.3944, 3.3543



18.7201, 39.3944, 84.0480

Complementary

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



63.1342, 39.3944, 98.8841



46.5440, 76.7285, 28.2785

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.



17.1642, 39.3944, 37.9226



63.1342, 39.3944, 98.8841



27.2471, 39.3944, 4.8693

Square

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



63.1342, 39.3944, 98.8841



53.7989, 39.3944, 6.1866



19.8820, 39.3944, 13.4264



24.7919, 39.3944, 137.8087

Rectangle

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



63.1342, 39.3944, 98.8841



68.0989, 39.3944, 25.6090



19.8820, 39.3944, 13.4264



17.7247, 39.3944, 66.6001

Sweetspot

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



63.1355, 39.3961, 98.8843



82.0708, 75.0440, 104.7671



31.8345, 24.4862, 97.6562



17.2803, 15.5154, 22.3339



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.



63.1355, 39.3961, 98.8843



60.0886, 33.9151, 97.9870



56.7230, 37.0821, 53.7778



18.7118, 18.2587, 22.7880



28.9870, 13.8538, 50.5809



2.8451, 1.3606, 4.9259

Inverse Universe

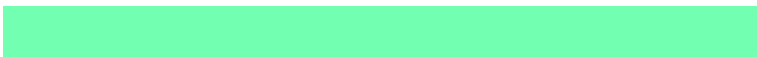
The Inverse Universe completely reimagines the original color for something new.



50.6485, 34.6523, 21.7899



46.6381, 28.8336, 13.6641



50.6814, 78.2903, 54.2727



18.0407, 17.9996, 18.8314



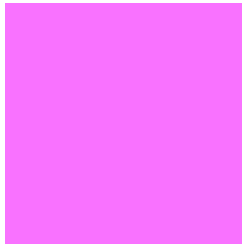
21.5934, 11.1266, 1.2432



2.1130, 1.0876, 0.1764

Previews

White Background



This preview shows how the XYZ color 63.1342, 39.3944, 98.8841 looks on a white background.

Color Contrast Check

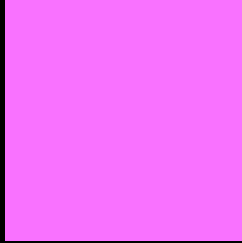
Large Text (above 18pt) WCAG AA × Fail

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 63.1342, 39.3944, 98.8841 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

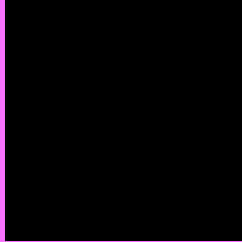
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.1342, 39.3944, 98.8841

Background



This preview shows how black text looks on a background with the XYZ color 63.1342, 39.3944, 98.8841.



This preview shows how white text looks on a background with the XYZ color 63.1342, 39.3944,

98.8841.

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

63.1342, 39.3944, 98.8841

Protanopia

41.8396, 39.7267, 100.0706

Deuteranopia

40.7698, 39.6096, 92.6854



Tritanopia

49.7844, 39.1496, 34.6385

Trichromacy



Original Color

63.1342, 39.3944, 98.8841



Protanomaly

46.6152, 37.4345, 99.3764



Deuteranomaly

46.0489, 37.4843, 94.4307

Tritanomaly

53.5772, 38.6075, 52.7723

Monochromacy



Original Color

63.1342, 39.3944, 98.8841



Achromatopsia

38.2080, 40.1978, 43.7754



Achromatomaly

45.0021, 38.1719, 60.2544

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.1342, 39.3944, 98.8841 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(249, 114, 255)` looks like.

```
.text, #text, p{  
    color:rgb(249, 114, 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(249, 114, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 114, 255) }
```

Border

The CSS property to change the border of an element to XYZ 63.1342, 39.3944, 98.8841 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(249, 114, 255) }
```


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

```
.border{ border-color:rgb(249, 114, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 114, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 114, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 114, 255);  
box-shadow:4px 4px 4px 4px rgb(249, 114,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 63.1342, 39.3944, 98.8841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 114, 255) }
```

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

```
.background{ background-color: rgb(249,  
114, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor