

Converting Colors

XYZ(63.6425, 39.2221, 96.6827)

Have a look what the booklet for
XYZ(63.6425, 39.2221, 96.6827)
contains.

XYZ(63.4000, 39.0926, 96.2995)	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(63.4000, 39.0926,
96.2995)**

Conversions

Conversions Part 1

Format	Color
Hex	FC6FFC
RGB	252, 111, 252
RGB Percent	99%, 44%, 99%
CMY	0.0118, 0.5647, 0.0118
CMYK	0.00, 0.56, 0.00, 0.01
HSL	300°, 96%, 71%
HSV	300°, 56%, 99%
XYZ	63.4000, 39.0926, 96.2995
YIQ	169.2330, 38.7750, 73.7430

Conversions

Conversions Part 2

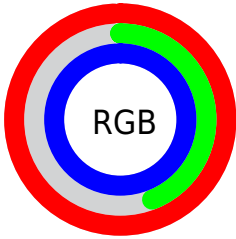
Format	Color
R _Y B	252, 111, 252
Decimal	16543740
CIE Lab	68.82, 71.28, -45.74
CIE LCh	69, 84.689, 327.311
Yxy	39.0926, 0.3189, 0.1967
Android (android.graphics.Color)	4294733820 (0xFFFC6FFC)
YUV	169.2330, 40.8041, 72.5867
Hunter-Lab	62.5241, 71.5835, -47.5515

Details

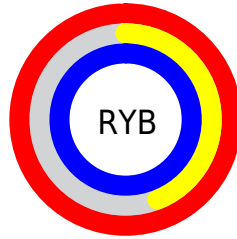
The XYZ color **63.4000, 39.0926, 96.2995** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **44.2369, 74.1496, 27.0219**, and the grayscale version is **37.6199, 39.5790, 43.1016**.

A 20% lighter version of the original color is **73.4780, 56.8559, 101.7093**, and **32.7292, 17.4278, 53.2686** is the 20% darker color. If you saturate the color by 10%, you get **61.0286, 34.3487, 95.5092**, and if you desaturate by 10%, it is **66.5496, 45.3907, 97.3498**.

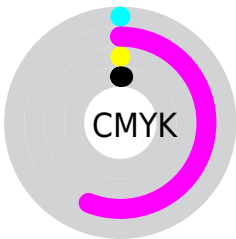
Distribution



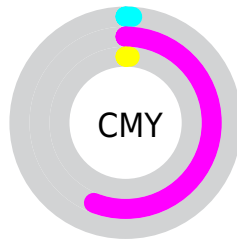
- Red (99%)
- Green (44%)
- Blue (99%)



- Red (99%)
- Yellow (44%)
- Blue (99%)



- Cyan (0%)
- Magenta (56%)
- Yellow (0%)
- Black (1%)





- Cyan (1%)
- Magenta (56%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.4000, 39.0926, 96.2995 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 63.4000, 39.0926, 96.2995 by changing the saturation by 10% instead.

 63.4000, 39.0926,
96.2995

 63.4000, 39.0926,
96.2995


426.6563,
342.2840, 569.4071

 46.4247, 26.8318,
72.6142

 108.8250, 73.7798,
158.0697

 32.7872, 17.4469,
53.1706

 138.0054, 96.9749,
196.9916

 22.1219, 10.5536,
37.5503

 171.9849,
124.5836, 241.8295

 14.0636, 5.7676,
25.3348

211.1289,
156.9902, 293.0019

 8.2469, 2.7043,
16.1054

255.8026,
194.5791, 350.9273

 4.3065, 0.9794,
9.4436

306.3716,

 1.8769, 0.0000,

237.7348, 416.0243

4.9309

363.2010,
286.8417, 488.7114

■ 0.5634, 0.0000,
2.1487

■ 0.0000, 0.0000,
0.6446

■ 63.4000, 39.0926,
96.2995

■ 63.4000, 39.0926,
96.2995

■ 61.0286, 34.3487,
95.5092

■ 66.5496, 45.3907,
97.3498

■ 59.3640, 31.0196,
94.9542

■ 70.5324, 53.3563,
98.6776

■ 58.3292, 28.9501,
94.6091

■ 75.4034, 63.0982,
100.3014

■ 57.8269, 27.9456,
94.4416

■ 81.2117, 74.7147,
102.2376

57.7161, 27.7240,
94.4046

88.0027, 88.2967,
104.5015

93.4764, 99.2441,
106.3262

93.4765, 99.2441,
106.3263

93.4765, 99.2442,
106.3265

93.4765, 99.2442,
106.3266

Harmonies

Analogous

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



50.3073, 39.0926, 147.8832



63.4000, 39.0926, 96.2995



69.3780, 39.0926, 46.1304

Triad

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



63.4000, 39.0926, 96.2995



38.3812, 39.0926, 3.1879



18.6114, 39.0926, 86.3085

Complementary

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



63.4000, 39.0926, 96.2995



44.2369, 74.1496, 27.0219

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.



16.8713, 39.0926, 39.1886



63.4000, 39.0926, 96.2995



26.5237, 39.0926, 4.8691

Square

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



63.4000, 39.0926, 96.2995



52.9197, 39.0926, 5.7334



19.3861, 39.0926, 13.8151



24.8825, 39.0926, 140.0652

Rectangle

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



63.4000, 39.0926, 96.2995



67.6621, 39.0926, 24.1350



19.3861, 39.0926, 13.8151



17.5544, 39.0926, 68.5787

Sweetspot

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



63.4014, 39.0944, 96.3003



82.7460, 75.3921, 104.7984



29.8125, 21.7786, 94.7292



17.4419, 15.5986, 22.3414



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.



63.4014, 39.0944, 96.3003



62.4718, 34.8439, 98.0396



54.2229, 35.4230, 47.9672



17.9931, 17.5246, 21.8195



30.0645, 14.4415, 49.1757



2.7845, 1.3375, 4.5545

Inverse Universe

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



63.4014, 39.0944, 96.3003



62.4718, 34.8439, 98.0396



49.7596, 76.3587, 56.1038



17.9931, 17.5246, 21.8195



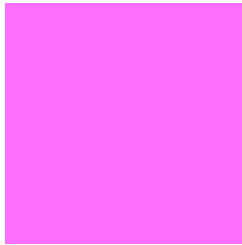
30.0645, 14.4415, 49.1757



2.7845, 1.3375, 4.5545

Previews

White Background



This preview shows how the XYZ color 63.4000, 39.0926, 96.2995 looks on a white background.

Color Contrast Check

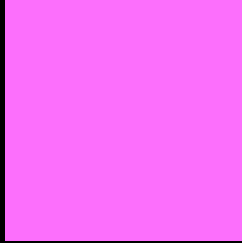
Large Text (above 18pt) WCAG AA × Fail

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 63.4000, 39.0926, 96.2995 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

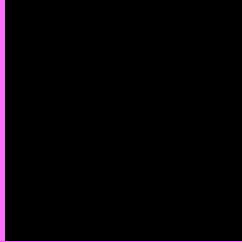
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.4000, 39.0926, 96.2995

Background



This preview shows how black text looks on a background with the XYZ color 63.4000, 39.0926, 96.2995.



This preview shows how white text looks on a background with the XYZ color 63.4000, 39.0926,

96.2995.

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

63.4000, 39.0926, 96.2995

Protanopia

41.6779, 39.6433, 100.0630

Deuteranopia

40.4932, 39.5372, 89.5016



Tritanopia

50.4485, 38.8721, 33.2779

Trichromacy



Original Color

63.4000, 39.0926, 96.2995



Protanomaly

46.5284, 37.1785, 98.4898



Deuteranomaly

45.8907, 37.2246, 91.9551



Tritanomaly

53.8903, 38.2166, 50.9906

Monochromacy



Original Color

63.4000, 39.0926, 96.2995



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

44.4519, 37.4454, 58.9177

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.4000, 39.0926, 96.2995 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(252, 111, 252)` looks like.

```
.text, #text, p{  
    color:rgb(252, 111, 252)  
}
```

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(252, 111, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 111, 252) }
```

Border

The CSS property to change the border of an element to XYZ 63.4000, 39.0926, 96.2995 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(252, 111, 252) }
```


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

```
.border{ border-color:rgb(252, 111, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 111, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 111, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 111, 252);  
box-shadow:4px 4px 4px 4px rgb(252, 111,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 63.4000, 39.0926, 96.2995 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 111, 252) }
```

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

```
.background{ background-color: rgb(252,  
111, 252) }
```

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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