

Converting Colors

XYZ(63.7849, 39.9554, 96.5309)

Have a look what the booklet for
XYZ(63.7849, 39.9554, 96.5309)
contains.

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Color

**XYZ(63.8463, 39.9852,
96.4483)**

Conversions

Conversions Part 1

Format	Color
Hex	FC73FC
RGB	252, 115, 252
RGB Percent	99%, 45%, 99%
CMY	0.0118, 0.5490, 0.0118
CMYK	0.00, 0.54, 0.00, 0.01
HSL	300°, 96%, 72%
HSV	300°, 54%, 99%
XYZ	63.8463, 39.9852, 96.4483
YIQ	171.5810, 37.6750, 71.6510

Conversions

Conversions Part 2

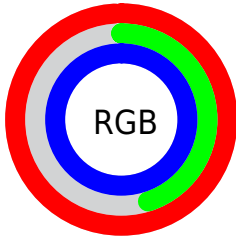
Format	Color
R _Y B	252, 115, 252
Decimal	16544764
CIE _{Lab}	69.46, 69.54, -44.73
CIE _{LCh}	69, 82.683, 327.246
Yxy	39.9852, 0.3188, 0.1996
Android (android.graphics.Color)	4294734844 (0xFFFC73FC)
YUV	171.5810, 39.6466, 70.5275
Hunter-Lab	63.2339, 69.5696, -46.1692

Details

The XYZ color **63.8463, 39.9852, 96.4483** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **44.9769, 74.5051, 28.2323**, and the grayscale version is **38.7958, 40.8162, 44.4488**.

A 20% lighter version of the original color is **74.0425, 57.9850, 101.8975**, and **32.9547, 17.8790, 53.3438** is the 20% darker color. If you saturate the color by 10%, you get **61.3561, 35.0037, 95.6184**, and if you desaturate by 10%, it is **67.1246, 46.5407, 97.5416**.

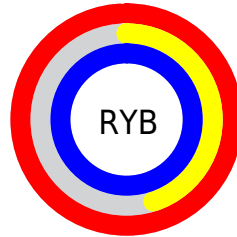
Distribution



Red (99%)

Green (45%)

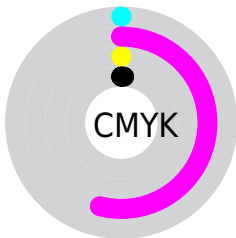
Blue (99%)



Red (99%)

Yellow (45%)

Blue (99%)

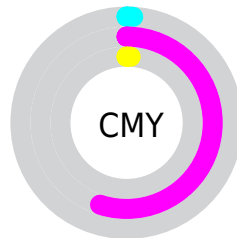


Cyan (0%)

Magenta (54%)

Yellow (0%)

Black (1%)



Cyan (1%)


Magenta (55%)


Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.8463, 39.9852, 96.4483 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 63.8463, 39.9852, 96.4483 by changing the saturation by 10% instead.


 63.8463, 39.9852,
96.4483

 63.8463, 39.9852,
96.4483


428.2454,
346.0612, 569.8936

 46.7874, 27.5270,
72.7375


 109.4645, 75.1410,
158.2767

 33.0749, 17.9694,
53.2708


 138.7546, 98.6073,
197.2314

 22.3433, 10.9280,
37.6298


 172.8524,
126.5119, 242.1044

 14.2274, 6.0185,
25.3959

212.1233,
159.2390, 293.3143

 8.3618, 2.8563,
16.1505

256.9327,
197.1731, 351.2796

 4.3810, 1.0572,
9.4752

307.6460,

 1.9199, 0.0000,

240.6986, 416.4189

4.9514

364.6284,
290.1998, 489.1507

■ 0.5883, 0.0000,
2.1605

■ 0.0000, 0.0000,
0.6515

■ 63.8463, 39.9852,
96.4483

■ 63.8463, 39.9852,
96.4483

■ 61.3561, 35.0037,
95.6184

■ 67.1246, 46.5407,
97.5416

■ 59.5840, 31.4596,
95.0276

■ 71.2449, 54.7813,
98.9151

■ 58.4551, 29.2019,
94.6512

■ 76.2615, 64.8145,
100.5875

■ 57.8760, 28.0437,
94.4580

■ 82.2228, 76.7370,
102.5747

57.7161, 27.7240,
94.4046

89.1738, 90.6390,
104.8919

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.



50.9664, 39.9852, 146.6131



63.8463, 39.9852, 96.4483



69.7266, 39.9852, 47.1541

Triad

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



63.8463, 39.9852, 96.4483



39.2475, 39.9852, 3.6958



19.4907, 39.9852, 86.4507

Complementary

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



63.8463, 39.9852, 96.4483



44.9769, 74.5051, 28.2323

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.



17.7452, 39.9852, 40.1099



63.8463, 39.9852, 96.4483



27.4511, 39.9852, 5.4783

Square

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



63.8463, 39.9852, 96.4483



53.6003, 39.9852, 6.4109



20.2891, 39.9852, 14.7039



25.7722, 39.9852, 138.8435

Rectangle

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



63.8463, 39.9852, 96.4483



68.0599, 39.9852, 25.2218



20.2891, 39.9852, 14.7039



18.4285, 39.9852, 69.0829

Sweetspot

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



63.8477, 39.9870, 96.4491



83.3872, 76.6744, 105.0122



30.7735, 22.9366, 94.9021



17.5681, 15.8512, 22.3835



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.



63.8477, 39.9870, 96.4491



62.8830, 35.6664, 98.1768



54.8768, 36.3986, 49.2086



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.



63.8477, 39.9870, 96.4491



62.8830, 35.6664, 98.1768



50.4818, 76.7070, 57.2206



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 63.8463, 39.9852, 96.4483 looks on a white background.

Color Contrast Check

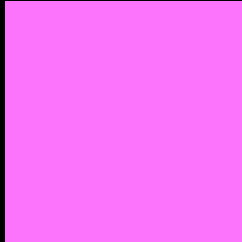
Large Text (above 18pt) WCAG AA × Fail

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 63.8463, 39.9852, 96.4483 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

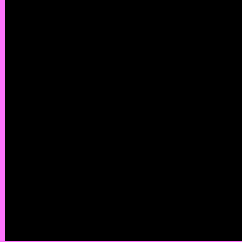
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.8463, 39.9852, 96.4483

Background



This preview shows how black text looks on a background with the XYZ color 63.8463, 39.9852, 96.4483.



This preview shows how white text looks on a background with the XYZ color 63.8463, 39.9852,

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

63.8463, 39.9852, 96.4483

Protanopia

42.3499, 40.2607, 100.1468

Deuteranopia

41.3356, 40.2271, 90.3800



Tritanopia

51.0460, 39.8094, 34.2717

Trichromacy



Original Color

63.8463, 39.9852, 96.4483



Protanomaly

47.0697, 37.9193, 98.6042



Deuteranomaly

46.6734, 38.0938, 92.0817



Tritanomaly

54.6366, 39.3665, 52.2958

Monochromacy



Original Color

63.8463, 39.9852, 96.4483



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

45.6966, 38.7678, 60.3328

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.8463, 39.9852, 96.4483 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, 115, 252)` looks like.

```
.text, #text, p{  
    color:rgb(252, 115, 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, 115, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 115, 252) }
```

Border

The CSS property to change the border of an element to XYZ 63.8463, 39.9852, 96.4483 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, 115, 252) }
```


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

```
.border{ border-color:rgb(252, 115, 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, 115, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 115, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 115, 252);  
box-shadow:4px 4px 4px 4px rgb(252, 115,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 63.8463, 39.9852, 96.4483 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 115, 252) }
```

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

```
.background{ background-color: rgb(252,  
115, 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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