

# Converting Colors

XYZ(63.0409, 39.9487, 94.8307)

Have a look what the booklet for XYZ(63.0409, 39.9487, 94.8307) contains.

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# Color

**XYZ(63.0409, 39.9487,  
94.8307)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FA75FA
RGB	250, 117, 250
RGB Percent	98%, 46%, 98%
CMY	0.0196, 0.5412, 0.0196
CMYK	0.00, 0.53, 0.00, 0.02
HSL	300°, 93%, 72%
HSV	300°, 53%, 98%
XYZ	63.0409, 39.9487, 94.8307
YIQ	171.9290, 36.5750, 69.5590

# Conversions

## Conversions Part 2

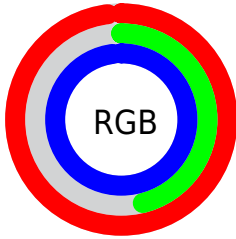
Format	Color
R <sub>Y</sub> B	250, 117, 250
Decimal	16414202
CIE Lab	69.43, 67.80, -43.70
CIE LCh	69, 80.662, 327.197
Yxy	39.9487, 0.3187, 0.2019
Android (android.graphics.Color)	4294604282 (0xFFFA75FA)
YUV	171.9290, 38.4890, 68.4683
Hunter-Lab	63.2050, 67.4279, -44.7133

# Details

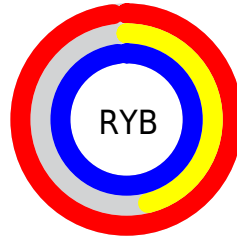
The XYZ color **63.0409, 39.9487, 94.8307** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **44.7343, 73.4390, 28.6492**, and the grayscale version is **38.9770, 41.0068, 44.6564**.

A 20% lighter version of the original color is **74.4261, 58.7521, 102.0254**, and **32.6246, 17.9527, 52.1978** is the 20% darker color. If you saturate the color by 10%, you get **60.5079, 34.8818, 93.9866**, and if you desaturate by 10%, it is **66.3543, 46.5744, 95.9356**.

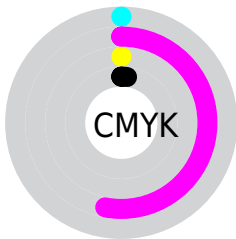
# Distribution



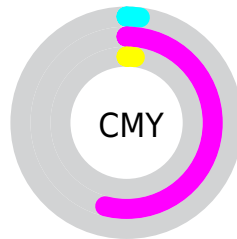
- Red (98%)
- Green (46%)
- Blue (98%)



- Red (98%)
- Yellow (46%)
- Blue (98%)



- Cyan (0%)
- Magenta (53%)
- Yellow (0%)
- Black (2%)




- Cyan (2%)
- Magenta (54%)
- Yellow (2%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.0409, 39.9487, 94.8307 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 63.0409, 39.9487, 94.8307 by changing the saturation by 10% instead.





 63.0409, 39.9487,  
94.8307


 63.0409, 39.9487,  
94.8307


425.3752,  
345.9073, 564.5933


 46.1331, 27.4985,  
71.3980


 108.3100, 75.0854,  
156.0243

 32.5559, 17.9480,  
52.1832


 137.4020, 98.5407,  
194.6222

 21.9441, 10.9127,  
36.7679


 171.2860,  
126.4332, 239.1122

 13.9322, 6.0081,  
24.7334

210.3276,  
159.1473, 289.9129

 8.1549, 2.8500,  
15.6614

254.8919,  
197.0674, 347.4428

 4.2469, 1.0539,  
9.1331

305.3444,

 1.8427, 0.0000,

240.5778, 412.1205

4.7301

362.0503,  
290.0630, 484.3645

■ 0.5432, 0.0000,  
2.0338

■ 0.0000, 0.0000,  
0.5760

■ 63.0409, 39.9487,  
94.8307

■ 63.0409, 39.9487,  
94.8307

■ 60.5079, 34.8818,  
93.9866

■ 66.3543, 46.5744,  
95.9356

■ 58.6878, 31.2414,  
93.3798

■ 70.5003, 54.8663,  
97.3178

■ 57.5084, 28.8828,  
92.9865

■ 75.5315, 64.9287,  
98.9949

■ 56.8807, 27.6275,  
92.7772

■ 81.4950, 76.8558,  
100.9829

56.6802, 27.2264,  
92.7102

88.4347, 90.7350,  
103.2962

92.4404, 98.7465,  
104.6316

92.4405, 98.7465,  
104.6317

92.4405, 98.7465,  
104.6319

92.4405, 98.7465,  
104.6320

# Harmonies

## Analogous

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



50.5539, 39.9487, 143.0385



63.0409, 39.9487, 94.8307



68.7415, 39.9487, 47.0861

# Triad

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



63.0409, 39.9487, 94.8307



39.2033, 39.9487, 4.0447



19.8203, 39.9487, 85.0141

# Complementary

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



63.0409, 39.9487, 94.8307



44.7343, 73.4390, 28.6492

# 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.



18.1033, 39.9487, 40.0957



63.0409, 39.9487, 94.8307



27.6696, 39.9487, 5.8701

# Square

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



63.0409, 39.9487, 94.8307



53.1549, 39.9487, 6.8384



20.6219, 39.9487, 15.1337



25.9933, 39.9487, 135.4494



# Rectangle

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



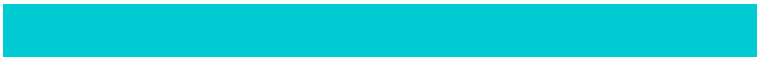
63.0409, 39.9487, 94.8307



67.1414, 39.9487, 25.6060



20.6219, 39.9487, 15.1337



18.7740, 39.9487, 68.2300

# Sweetspot

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



63.0423, 39.9505, 94.8315



83.3872, 76.6744, 105.0122



30.9546, 23.4086, 93.3305



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.



63.0423, 39.9505, 94.8315



63.0997, 36.0996, 98.2491



54.3867, 36.4883, 49.2517



17.9931, 17.5246, 21.8195



30.0646, 14.4415, 49.1758



2.7845, 1.3375, 4.5545



# Inverse Universe

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



63.0423, 39.9505, 94.8315



63.0997, 36.0996, 98.2491



50.1228, 75.5944, 57.0247



17.9931, 17.5246, 21.8195



30.0646, 14.4415, 49.1758

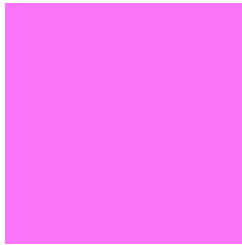


2.7845, 1.3375, 4.5545



# Previews

## White Background



This preview shows how the XYZ color 63.0409, 39.9487, 94.8307 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

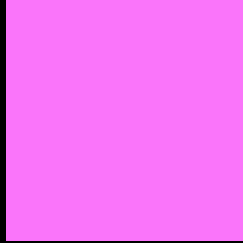
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 63.0409, 39.9487, 94.8307 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

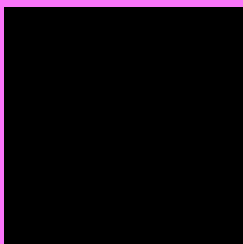
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 63.0409, 39.9487, 94.8307**

## **Background**



This preview shows how black text looks on a background with the XYZ color 63.0409, 39.9487, 94.8307.



This preview shows how white text looks on a background with the XYZ color 63.0409, 39.9487,

94.8307.

# 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

63.0409, 39.9487, 94.8307

### Protanopia

42.3499, 40.2607, 100.1468

### Deuteranopia

41.2075, 40.1958, 88.8058



## Tritanopia

50.6004, 39.7901, 34.7191

# Trichromacy



## Original Color

63.0409, 39.9487, 94.8307



## Protanomaly

47.0675, 38.1704, 97.8154



## Deuteranomaly

46.3680, 37.9716, 90.4733



## Tritanomaly

54.0826, 39.2831, 52.3089

# Monochromacy



## Original Color

63.0409, 39.9487, 94.8307



## Achromatopsia

39.2122, 41.2543, 44.9259



## Achromatomaly

45.4730, 38.9060, 59.7565

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.0409, 39.9487, 94.8307 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(250, 117, 250)` looks like.

```
.text, #text, p{  
    color:rgb(250, 117, 250)  
}
```

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(250, 117, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 117, 250) }
```

## Border

The CSS property to change the border of an element to XYZ 63.0409, 39.9487, 94.8307 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(250, 117, 250) }
```



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

```
.border{ border-color:rgb(250, 117, 250) }
```

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

Here you see how a box with a 4 pixel rgb(250, 117, 250) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 117, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 117, 250);  
box-shadow:4px 4px 4px 4px rgb(250, 117,  
250) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.0409, 39.9487, 94.8307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 117, 250) }
```

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

```
.background{ background-color: rgb(250,  
117, 250) }
```

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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