

Converting Colors

XYZ(132.0064, 80.3586,
100.5839)

Have a look what the booklet for
XYZ(132.0064, 80.3586, 100.5839)
contains.

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Color

**XYZ(68.4837, 47.6343,
97.6803)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8EFC
RGB	255, 142, 252
RGB Percent	100%, 56%, 99%
CMY	0.0000, 0.4431, 0.0118
CMYK	0.00, 0.44, 0.01, 0.00
HSL	302°, 100%, 78%
HSV	302°, 44%, 100%
XYZ	68.4837, 47.6343, 97.6803
YIQ	188.3270, 32.0380, 58.1660

Conversions

Conversions Part 2

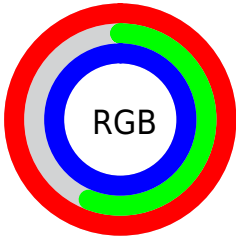
Format	Color
R _Y B	255, 142, 252
Decimal	16748284
CIE Lab	74.59, 57.76, -36.70
CIE LCh	75, 68.430, 327.572
Yxy	47.6343, 0.3203, 0.2228
Android (android.graphics.Color)	4294938364 (0xFFFF8EFC)
YUV	188.3270, 31.3908, 58.4722
Hunter-Lab	69.0176, 56.3383, -35.6005

Details

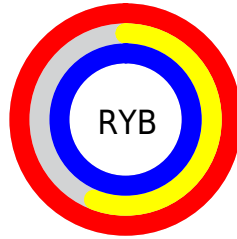
The XYZ color **68.4837, 47.6343, 97.6803** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **52.0276, 79.3158, 39.3575**, and the grayscale version is **47.8014, 50.2908, 54.7667**.

A 20% lighter version of the original color is **79.4841, 68.8682, 103.7114**, and **36.0235, 22.4923, 54.0726** is the 20% darker color. If you saturate the color by 10%, you get **65.0076, 40.8533, 95.9939**, and if you desaturate by 10%, it is **72.8299, 56.1545, 99.6598**.

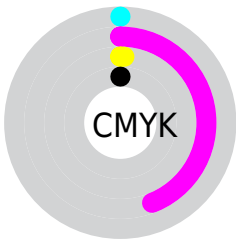
Distribution



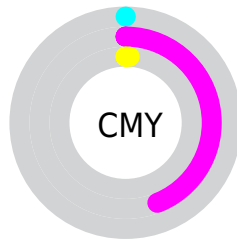
- Red (100%)
- Green (56%)
- Blue (99%)



- Red (100%)
- Yellow (56%)
- Blue (99%)



- Cyan (0%)
- Magenta (44%)
- Yellow (1%)
- Black (0%)





- Cyan (0%)
- Magenta (44%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.4837, 47.6343, 97.6803 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 68.4837, 47.6343, 97.6803 by changing the saturation by 10% instead.


 68.4837, 47.6343,
97.6803


 68.4837, 47.6343,
97.6803


444.5578,
377.3407, 573.9126

 50.5665, 33.5374,
73.7586


 116.0820, 86.6597,
159.9897

 36.0833, 22.5384,
54.1009


 146.4937,
112.3569, 199.2145

 24.6690, 14.2531,
38.2886


181.8009,
142.6897, 244.3774

 15.9580, 8.2969,
25.9032

222.3691,
178.0424, 295.8969

 9.5851, 4.2855,
16.5261

268.5635,
218.7995, 354.1917

 5.1849, 1.8345,
9.7388

320.7495,

 2.3920, 0.5085,

265.3453, 419.6802

5.1228

379.2925,
318.0643, 492.7810

■ 0.8411, 0.0000,
2.2595

■ 0.0000, 0.0000,
0.7084

■ 68.4837, 47.6343,
97.6803

■ 68.4837, 47.6343,
97.6803

■ 65.0076, 40.8533,
95.9939

■ 72.8299, 56.1545,
99.6598

■ 62.3386, 35.6860,
94.5779

■ 78.0975, 66.5171,
101.9478

■ 60.4101, 31.9992,
93.4105

■ 84.3373, 78.8234,
104.5616

■ 59.1437, 29.6359,
92.4657

■ 91.5955, 93.1662,
107.5169

■ 58.4430, 28.4035, 95.0500, 100.0000,
91.7114 108.9000

■ 58.2192, 28.0517,
91.3414

Harmonies

Analogous

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



57.2098, 47.6343, 138.7956



68.4837, 47.6343, 97.6803



73.4624, 47.6343, 54.8078

Triad

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



68.4837, 47.6343, 97.6803



46.2909, 47.6343, 9.2206



27.2838, 47.6343, 90.2482

Complementary

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



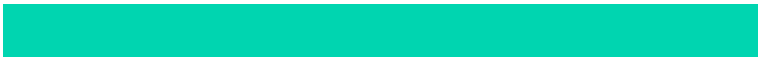
68.4837, 47.6343, 97.6803



52.0276, 79.3158, 39.3575

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.



25.4148, 47.6343, 49.0308



68.4837, 47.6343, 97.6803



35.1274, 47.6343, 11.8684

Square

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



68.4837, 47.6343, 97.6803



59.2757, 47.6343, 12.9820



28.0096, 47.6343, 23.2265



33.6731, 47.6343, 133.3027

Rectangle

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



68.4837, 47.6343, 97.6803



71.9686, 47.6343, 33.8878



28.0096, 47.6343, 23.2265



26.1633, 47.6343, 75.2874

Sweetspot

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



68.4847, 47.6361, 97.6813



85.2301, 80.5864, 104.9294



39.2062, 32.4871, 98.8120



17.9232, 16.6180, 22.3274



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.



68.4847, 47.6361, 97.6813



65.4162, 41.6480, 96.1993



60.9484, 44.6216, 57.9957



18.7706, 18.2916, 22.6752



30.4302, 14.6614, 47.7773



2.9692, 1.4301, 4.6853

Inverse Universe

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



68.4847, 47.6361, 97.6813



65.4162, 41.6480, 96.1993



57.3869, 81.4595, 67.5792



18.7706, 18.2916, 22.6752



30.4302, 14.6614, 47.7773



2.9692, 1.4301, 4.6853

Previews

White Background



This preview shows how the XYZ color 68.4837, 47.6343, 97.6803 looks on a white background.

Color Contrast Check

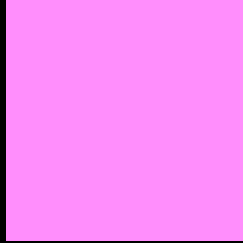
Large Text (above 18pt) WCAG AA × Fail

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 68.4837, 47.6343, 97.6803 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

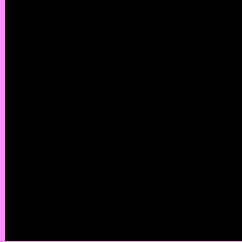
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.4837, 47.6343, 97.6803

Background



This preview shows how black text looks on a background with the XYZ color 68.4837, 47.6343, 97.6803.



This preview shows how white text looks on a background with the XYZ color 68.4837, 47.6343,

97.6803.

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

68.4837, 47.6343, 97.6803

Protanopia

49.2752, 48.1495, 101.3044

Deuteranopia

49.1538, 47.9652, 93.0537



Tritanopia

57.6734, 47.5326, 45.1647

Trichromacy



Original Color

68.4837, 47.6343, 97.6803



Protanomaly

54.2138, 46.3953, 99.8637



Deuteranomaly

54.5814, 46.6941, 94.9430



Tritanomaly

61.0008, 47.1392, 61.1420

Monochromacy



Original Color

68.4837, 47.6343, 97.6803



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

53.4722, 47.8260, 68.0411

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.4837, 47.6343, 97.6803 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(255, 142, 252)` looks like.

```
.text, #text, p{  
    color:rgb(255, 142, 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(255, 142, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 142, 252) }
```

Border

The CSS property to change the border of an element to XYZ 68.4837, 47.6343, 97.6803 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(255, 142, 252) }
```


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

```
.border{ border-color:rgb(255, 142, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 142, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 142, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 142, 252);  
box-shadow:4px 4px 4px 4px rgb(255, 142,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 68.4837, 47.6343, 97.6803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 142, 252) }
```

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

```
.background{ background-color: rgb(255,  
142, 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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