

# Converting Colors

XYZ(67.0400, 46.8805, 98.1165)

Have a look what the booklet for  
XYZ(67.0400, 46.8805, 98.1165)  
contains.

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# Color

**XYZ(67.1863, 46.9471,  
98.4491)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FB8EFD
RGB	251, 142, 253
RGB Percent	98%, 56%, 99%
CMY	0.0157, 0.4431, 0.0078
CMYK	0.01, 0.44, 0.00, 0.01
HSL	299°, 97%, 77%
HSV	299°, 44%, 99%
XYZ	67.1863, 46.9471, 98.4491
YIQ	187.2450, 29.3330, 57.6290

# Conversions

## Conversions Part 2

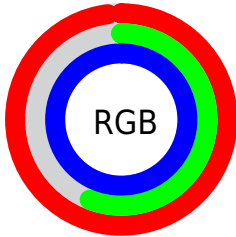
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">251, 142, 253</a>
Decimal	<a href="#">16486141</a>
CIELab	<a href="#">74.16, 56.80, -37.95</a>
CIELCh	<a href="#">74, 68.312, 326.247</a>
Yxy	<a href="#">46.9471, 0.3160, 0.2208</a>
Android (android.graphics.Color)	<a href="#">4294676221</a> ( <a href="#">0xFFFB8EFD</a> )
YUV	<a href="#">187.2450, 32.4172, 55.9131</a>
Hunter-Lab	<a href="#">68.5180, 55.1244, -37.2275</a>

# Details

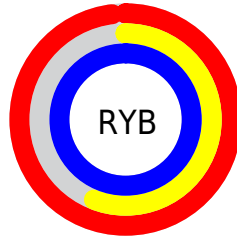
The XYZ color **67.1863, 46.9471, 98.4491** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **51.5109, 78.1340, 37.9599**, and the grayscale version is **47.1850, 49.6423, 54.0605**.

A 20% lighter version of the original color is **79.4841, 68.8682, 103.7114**, and **35.1102, 22.0084, 54.6221** is the 20% darker color. If you saturate the color by 10%, you get **63.6771, 40.1710, 97.3268**, and if you desaturate by 10%, it is **71.5532, 55.4358, 99.8581**.

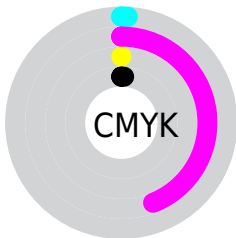
# Distribution



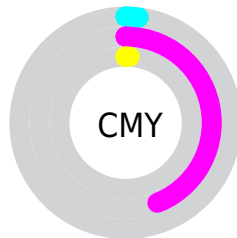
- Red (98%)
- Green (56%)
- Blue (99%)



- Red (98%)
- Yellow (56%)
- Blue (99%)



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




- Cyan (2%)
- Magenta (44%)
- Yellow (1%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 67.1863, 46.9471, 98.4491 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 67.1863, 46.9471, 98.4491 by changing the saturation by 10% instead.





 67.1863, 46.9471,  
98.4491


 67.1863, 46.9471,  
98.4491


440.0297,  
374.6033, 576.4130

 49.5073, 32.9938,  
74.3963

 114.2356, 85.6347,  
161.0575

 35.2383, 22.1217,  
54.6197

 144.3367,  
111.1377, 200.4502

 24.0138, 13.9464,  
38.7008


179.3091,  
141.2595, 245.7932

 15.4687, 8.0834,  
26.2210

219.5183,  
176.3845, 297.5052

 9.2374, 4.1483,  
16.7618

265.3296,  
216.8969, 356.0046

 4.9547, 1.7569,  
9.9046

317.1084,

 2.2552, 0.4601,

263.1813, 421.7100

5.2310

375.2199,  
315.6220, 495.0399

■ 0.7716, 0.0000,  
2.3223

■ 0.0000, 0.0000,  
0.7437

■ 67.1863, 46.9471,  
98.4491

■ 67.1863, 46.9471,  
98.4491

■ 63.6771, 40.1710,  
97.3268

■ 71.5532, 55.4358,  
99.8581

■ 60.9623, 34.9843,  
96.4688

■ 76.8261, 65.7371,  
101.5685

■ 58.9777, 31.2572,  
95.8540

■ 83.0554, 77.9504,  
103.5976

■ 57.6467, 28.8370,  
95.4570

■ 90.2862, 92.1662,  
105.9605

■ 56.8762, 27.5369,  
95.2466

94.0998, 99.5472,  
107.1841

■ 56.5988, 27.1296,  
95.1826

94.2662, 99.6329,  
107.1919

94.4329, 99.7189,  
107.1997

94.6000, 99.8050,  
107.2075

94.7298, 99.8719,  
107.2136

# Harmonies

## Analogous

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



55.8588, 46.9471, 138.5176



67.1863, 46.9471, 98.4491



72.4631, 46.9471, 55.6564

# Triad

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



67.1863, 46.9471, 98.4491



46.1797, 46.9471, 9.0480



26.6689, 46.9471, 87.0901

# Complementary

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



67.1863, 46.9471, 98.4491



51.5109, 78.1340, 37.9599

# 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.



25.0184, 46.9471, 46.8322



67.1863, 46.9471, 98.4491



35.0029, 46.9471, 11.3670

# Square

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



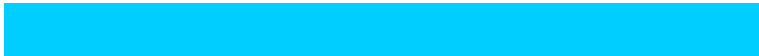
67.1863, 46.9471, 98.4491



59.0149, 46.9471, 13.0641



27.7766, 46.9471, 22.0717



32.7827, 46.9471, 130.1200



# Rectangle

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



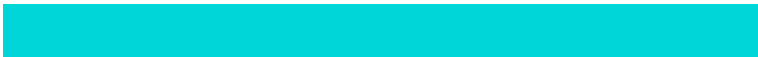
67.1863, 46.9471, 98.4491



71.2413, 46.9471, 34.4851



27.7766, 46.9471, 22.0717



25.6280, 46.9471, 72.3866

# Sweetspot

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



67.1879, 46.9492, 98.4501



85.1521, 80.5298, 105.6636



39.1196, 33.3103, 97.2969



17.9037, 16.6038, 22.5112



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.



67.1879, 46.9492, 98.4501



65.0986, 41.4181, 99.1712



60.7487, 44.4571, 60.7630



18.7584, 18.2827, 22.7902



30.1227, 14.4393, 50.6340



2.9429, 1.4110, 4.9305



# Inverse Universe

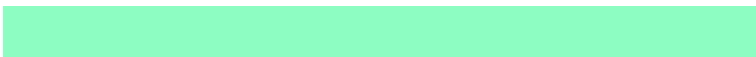
The Inverse Universe completely reimagines the original color for something new.



55.2166, 42.2443, 31.6313



51.4689, 36.0691, 22.7541



55.9974, 79.8886, 63.3920



18.0227, 17.9924, 18.7365



21.5677, 11.1164, 1.1078



2.1044, 1.0841, 0.1313



# Previews

## White Background



This preview shows how the XYZ color 67.1863, 46.9471, 98.4491 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

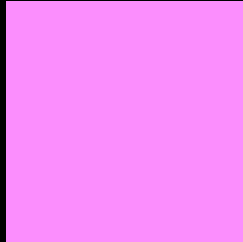
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 67.1863, 46.9471, 98.4491 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

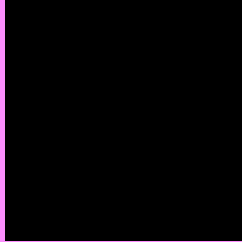
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 67.1863, 46.9471, 98.4491**

## **Background**



This preview shows how black text looks on a background with the XYZ color 67.1863, 46.9471, 98.4491.



This preview shows how white text looks on a background with the XYZ color 67.1863, 46.9471,



# 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

67.1863, 46.9471, 98.4491

### Protanopia

48.6693, 47.2334, 101.1596

### Deuteranopia

48.4729, 47.2957, 93.7630



## Tritanopia

56.2928, 46.8209, 45.1001

# Trichromacy



## Original Color

67.1863, 46.9471, 98.4491



## Protanomaly

53.2638, 45.6347, 99.7670



## Deuteranomaly

53.5001, 45.8478, 95.6523



## Tritanomaly

59.5900, 46.4120, 61.0760

# Monochromacy



## Original Color

67.1863, 46.9471, 98.4491



## Achromatopsia

47.2335, 49.6933, 54.1160



## Achromatomaly

52.8991, 47.5306, 68.0143

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 67.1863, 46.9471, 98.4491 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(251, 142, 253)` looks like.

```
.text, #text, p{  
    color:rgb(251, 142, 253)  
}
```

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(251, 142, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 142, 253) }
```

## Border

The CSS property to change the border of an element to XYZ 67.1863, 46.9471, 98.4491 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(251, 142, 253) }
```



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

```
.border{ border-color:rgb(251, 142, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 142, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 142, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 142, 253);  
box-shadow:4px 4px 4px 4px rgb(251, 142,  
253) }
```

# Background

The CSS property to change the background color of an element to XYZ 67.1863, 46.9471, 98.4491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 142, 253) }
```

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

```
.background{ background-color: rgb(251,  
142, 253) }
```

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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