

# Converting Colors

XYZ(69.2104, 51.7134, 95.4489)

Have a look what the booklet for  
XYZ(69.2104, 51.7134, 95.4489)  
contains.

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# Color

**XYZ(69.1451, 51.5867,  
95.1198)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FC9DF8
RGB	252, 157, 248
RGB Percent	99%, 62%, 97%
CMY	0.0118, 0.3843, 0.0274
CMYK	0.00, 0.38, 0.02, 0.01
HSL	303°, 94%, 80%
HSV	303°, 38%, 99%
XYZ	69.1451, 51.5867, 95.1198
YIQ	195.7790, 27.4090, 48.4410

# Conversions

## Conversions Part 2

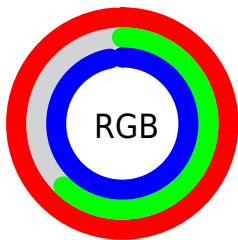
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	252, 157, 248
Decimal	16555512
CIE Lab	77.03, 48.68, -30.79
CIE LCh	77, 57.602, 327.689
Yxy	51.5867, 0.3203, 0.2390
Android (android.graphics.Color)	4294745592 (0xFFFC9DF8)
YUV	195.7790, 25.7450, 49.3058
Hunter-Lab	71.8239, 46.1508, -28.2439

# Details

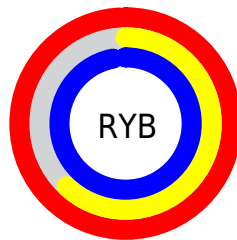
The XYZ color **69.1451, 51.5867, 95.1198** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **55.1502, 79.3638, 46.1332**, and the grayscale version is **52.1777, 54.8950, 59.7807**.

A 20% lighter version of the original color is **83.0842, 76.0685, 104.9114**, and **36.5024, 24.9314, 52.1786** is the 20% darker color. If you saturate the color by 10%, you get **65.1495, 43.8573, 92.9784**, and if you desaturate by 10%, it is **74.0242, 61.0795, 97.5614**.

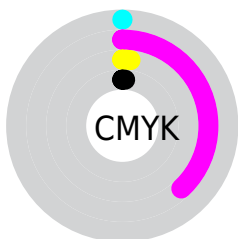
# Distribution



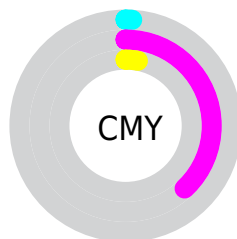
- Red (99%)
- Green (62%)
- Blue (97%)



- Red (99%)
- Yellow (62%)
- Blue (97%)



- Cyan (0%)
- Magenta (38%)
- Yellow (2%)
- Black (1%)




- Cyan (1%)
- Magenta (38%)
- Yellow (3%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.1451, 51.5867, 95.1198 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 69.1451, 51.5867, 95.1198 by changing the saturation by 10% instead.





 69.1451, 51.5867,  
95.1198


 69.1451, 51.5867,  
95.1198


446.8559,  
392.8390, 565.5426

 51.1070, 36.6757,  
71.6372

 117.0217, 92.5214,  
156.4271

 36.5151, 24.9565,  
52.3774


 147.5909,  
119.3140, 195.0889

 25.0042, 16.0447,  
36.9217


183.0679,  
150.8359, 239.6476

 16.2090, 9.5558,  
24.8515

223.8179,  
187.4715, 290.5217

 9.7639, 5.1054,  
15.7485

270.2063,  
229.6052, 348.1297

 5.3038, 2.3093,  
9.1939

322.5986,

 2.4632, 0.7786,

277.6214, 412.8901

4.7693

381.3600,  
331.9045, 485.2216

■ 0.8767, 0.0000,  
2.0562

■ 0.0000, 0.0000,  
0.5895

■ 69.1451, 51.5867,  
95.1198

■ 69.1451, 51.5867,  
95.1198

■ 65.1495, 43.8573,  
92.9784

■ 74.0242, 61.0795,  
97.5614

■ 61.9780, 37.7754,  
91.1157

■ 79.8314, 72.4283,  
100.3164

■ 59.5716, 33.2224,  
89.5127

■ 86.6147, 85.7275,  
103.4015

■ 57.8616, 30.0608,  
88.1464

■ 93.5151, 99.2596,  
106.5302

■ 56.7671, 28.1286,  
86.9898

■ 93.6840, 99.3272,  
107.4197

■ 56.1804, 27.2105,  
86.0071

■ 93.8539, 99.3951,  
108.3141

■ 56.0808, 27.0699,  
85.7932

■ 93.9554, 99.4357,  
108.8488

# Harmonies

## Analogous

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



59.5199, 51.5867, 128.5970



69.1451, 51.5867, 95.1198



73.3190, 51.5867, 58.6444

# Triad

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



69.1451, 51.5867, 95.1198



49.8885, 51.5867, 14.8060



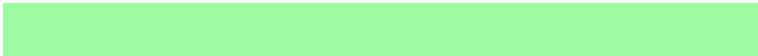
32.6008, 51.5867, 89.2414

# Complementary

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



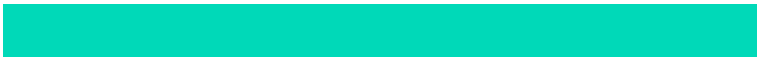
69.1451, 51.5867, 95.1198



55.1502, 79.3638, 46.1332

# 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.



30.8046, 51.5867, 53.7645



69.1451, 51.5867, 95.1198



39.8541, 51.5867, 17.8187

# Square

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



69.1451, 51.5867, 95.1198



61.2148, 51.5867, 18.9778



33.2541, 51.5867, 29.6356



38.5827, 51.5867, 124.4052



# Rectangle

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



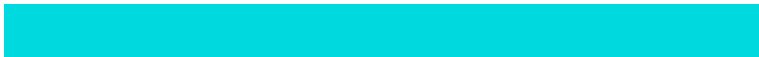
69.1451, 51.5867, 95.1198



72.0426, 51.5867, 39.7154



33.2541, 51.5867, 29.6356



31.5305, 51.5867, 76.6357

# Sweetspot

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



69.1468, 51.5890, 95.1209



86.5558, 83.3150, 105.1332



44.1606, 38.6356, 97.2266



18.3212, 17.4302, 22.4098



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.



69.1468, 51.5890, 95.1209



67.9363, 47.0020, 96.0719



62.7857, 49.0446, 61.6239



17.9596, 17.5112, 21.6430



29.2271, 14.1066, 44.7658



2.7165, 1.3103, 4.1963



# Inverse Universe

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



69.1468, 51.5890, 95.1209



67.9363, 47.0020, 96.0719



60.0612, 81.3282, 71.9943



17.9596, 17.5112, 21.6430



29.2271, 14.1066, 44.7658



2.7165, 1.3103, 4.1963



# Previews

## White Background



This preview shows how the XYZ color 69.1451, 51.5867, 95.1198 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

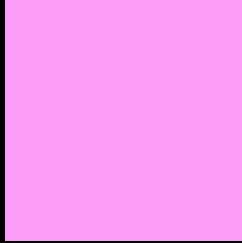
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 69.1451, 51.5867, 95.1198 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

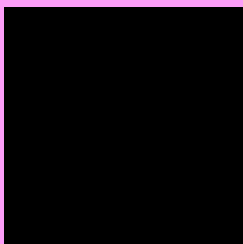
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 69.1451, 51.5867, 95.1198**

## **Background**



This preview shows how black text looks on a background with the XYZ color 69.1451, 51.5867, 95.1198.



This preview shows how white text looks on a background with the XYZ color 69.1451, 51.5867,

95.1198.

# 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

69.1451, 51.5867, 95.1198

### Protanopia

52.8278, 51.8444, 101.8304

### Deuteranopia

53.0887, 51.8965, 91.2234



## Tritanopia

60.2302, 51.4014, 51.5467

# Trichromacy



## Original Color

69.1451, 51.5867, 95.1198



## Protanomaly

57.1122, 50.7519, 98.8814



## Deuteranomaly

57.5866, 50.8477, 92.3674



## Tritanomaly

63.0754, 51.1894, 65.5876

# Monochromacy



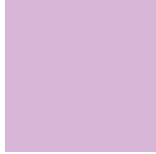
## Original Color

69.1451, 51.5867, 95.1198



## Achromatopsia

52.4687, 55.2011, 60.1140



## Achromatomaly

57.3126, 52.9611, 71.4918

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 69.1451, 51.5867, 95.1198 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, 157, 248)` looks like.

```
.text, #text, p{  
    color:rgb(252, 157, 248)  
}
```

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, 157, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 157, 248) }
```

## Border

The CSS property to change the border of an element to XYZ 69.1451, 51.5867, 95.1198 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, 157, 248) }
```



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

```
.border{ border-color:rgb(252, 157, 248) }
```

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

Here you see how a box with a 4 pixel rgb(252, 157, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 157, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 157, 248);  
box-shadow:4px 4px 4px 4px rgb(252, 157,  
248) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.1451, 51.5867, 95.1198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 157, 248) }
```

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

```
.background{ background-color: rgb(252,  
157, 248) }
```

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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