

# Converting Colors

XYZ(69.4582, 51.8583, 97.2869)

Have a look what the booklet for  
XYZ(69.4582, 51.8583, 97.2869)  
contains.

<b>XYZ(69.4231, 51.9280, 97.6309)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(69.4231, 51.9280,  
97.6309)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FB9EFB
RGB	251, 158, 251
RGB Percent	98%, 62%, 98%
CMY	0.0157, 0.3804, 0.0157
CMYK	0.00, 0.37, 0.00, 0.02
HSL	300°, 92%, 80%
HSV	300°, 37%, 98%
XYZ	69.4231, 51.9280, 97.6309
YIQ	196.4090, 25.5750, 48.6390

# Conversions

## Conversions Part 2

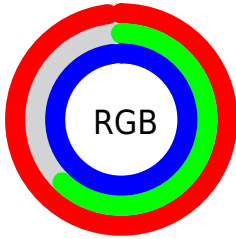
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	251, 158, 251
Decimal	16490235
CIE Lab	77.24, 48.40, -32.10
CIE LCh	77, 58.082, 326.445
Yxy	51.9280, 0.3170, 0.2371
Android (android.graphics.Color)	4294680315 (0xFFFB9EFB)
YUV	196.4090, 26.9134, 47.8763
Hunter-Lab	72.0611, 45.8586, -29.8854

# Details

The XYZ color **69.4231, 51.9280, 97.6309** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **54.7715, 78.7339, 44.6611**, and the grayscale version is **52.5490, 55.2857, 60.2061**.

A 20% lighter version of the original color is **83.3366, 76.5731, 104.9955**, and **36.6802, 25.1331, 53.9569** is the 20% darker color. If you saturate the color by 10%, you get **65.5715, 44.2238, 96.3474**, and if you desaturate by 10%, it is **74.1523, 61.3853, 99.2080**.

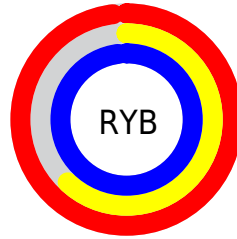
# Distribution



Red (98%)

Green (62%)

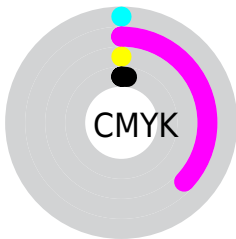
Blue (98%)



Red (98%)

Yellow (62%)

Blue (98%)

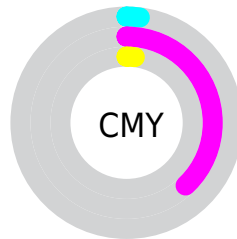


Cyan (0%)

Magenta (37%)

Yellow (0%)

Black (2%)



Cyan (2%)

Magenta (38%)


Yellow (2%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.4231, 51.9280, 97.6309 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 69.4231, 51.9280, 97.6309 by changing the saturation by 10% instead.





 69.4231, 51.9280,  
97.6309


 69.4231, 51.9280,  
97.6309


447.8199,  
394.1586, 573.7518

 51.3343, 36.9477,  
73.7177

 117.4165, 93.0250,  
159.9210

 36.6968, 25.1670,  
54.0676

 148.0517,  
119.9106, 199.1350

 25.1454, 16.2015,  
38.2622


183.5997,  
151.5333, 244.2863

 16.3147, 9.6669,  
25.8828

224.4259,  
188.2776, 295.7935

 9.8394, 5.1786,  
16.5110

270.8957,  
230.5279, 354.0751

 5.3541, 2.3525,  
9.7282

323.3744,

 2.4933, 0.8013,

278.6685, 419.5496

5.1159

382.2273,  
333.0840, 492.6357

■ 0.8919, 0.0000,  
2.2555

■ 0.0000, 0.0000,  
0.7061

■ 69.4231, 51.9280,  
97.6309

■ 69.4231, 51.9280,  
97.6309

■ 65.5715, 44.2238,  
96.3474

■ 74.1523, 61.3853,  
99.2080

■ 62.5390, 38.1587,  
95.3364

■ 79.8032, 72.6869,  
101.0917

■ 60.2676, 33.6161,  
94.5792

■ 86.4227, 85.9260,  
103.2984

■ 58.6901, 30.4610,  
94.0532

■ 92.9571, 98.9947,  
105.4767

■ 57.7270, 28.5350,  
93.7320

■ 92.9571, 98.9947,  
105.4768

■ 57.2772, 27.6353,  
93.5819

■ 92.9571, 98.9947,  
105.4770

■ 57.1968, 27.4745,  
93.5551

■ 92.9572, 98.9947,  
105.4771

■ 92.9572, 98.9947,  
105.4773

■ 92.9572, 98.9947,  
105.4774

# Harmonies

## Analogous

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



59.5124, 51.9280, 131.0789



69.4231, 51.9280, 97.6309



73.9428, 51.9280, 60.4266

# Triad

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



69.4231, 51.9280, 97.6309



50.6948, 51.9280, 14.7795



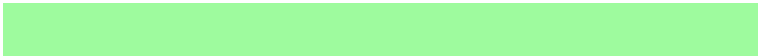
32.5684, 51.9280, 88.4606

# Complementary

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



69.4231, 51.9280, 97.6309



54.7715, 78.7339, 44.6611

# 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.



30.9307, 51.9280, 52.8252



69.4231, 51.9280, 97.6309



40.4263, 51.9280, 17.5052

# Square

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



69.4231, 51.9280, 97.6309



62.1541, 51.9280, 19.3025



33.5845, 51.9280, 28.9807



38.4476, 51.9280, 124.5345



# Rectangle

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



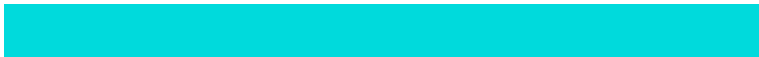
69.4231, 51.9280, 97.6309



72.8560, 51.9280, 40.9052



33.5845, 51.9280, 28.9807



31.5456, 51.9280, 75.7255

# Sweetspot

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



69.4248, 51.9303, 97.6320



86.7454, 83.3908, 106.1316



43.7424, 38.6905, 96.4306



18.3668, 17.4484, 22.6498



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.



69.4248, 51.9303, 97.6320



69.0823, 48.0649, 100.2435



62.9717, 49.3490, 63.6503



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.



69.4248, 51.9303, 97.6320



69.0823, 48.0649, 100.2435



59.5590, 80.6489, 69.8717



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 69.4231, 51.9280, 97.6309 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

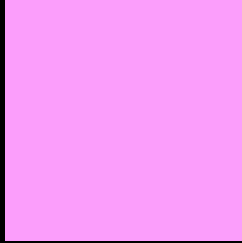
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 69.4231, 51.9280, 97.6309 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

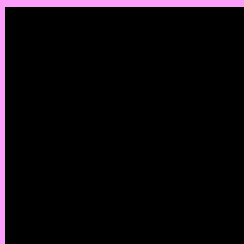
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 69.4231, 51.9280, 97.6309**

## **Background**



This preview shows how black text looks on a background with the XYZ color 69.4231, 51.9280, 97.6309.



This preview shows how white text looks on a background with the XYZ color 69.4231, 51.9280,



# 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

69.4231, 51.9280, 97.6309

### Protanopia

53.2609, 52.3858, 101.9121

### Deuteranopia

53.6738, 52.4440, 94.4826



## Tritanopia

60.1274, 51.8851, 52.7447

# Trichromacy



## Original Color

69.4231, 51.9280, 97.6309



## Protanomaly

57.8972, 51.4141, 100.6383



## Deuteranomaly

58.1190, 51.3434, 95.6540



## Tritanomaly

62.9835, 51.6534, 66.9721

# Monochromacy



## Original Color

69.4231, 51.9280, 97.6309



## Achromatopsia

52.4687, 55.2011, 60.1140



## Achromatomaly

57.4415, 53.0127, 72.1707

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 69.4231, 51.9280, 97.6309 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, 158, 251)` looks like.

```
.text, #text, p{  
    color:rgb(251, 158, 251)  
}
```

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, 158, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 158, 251) }
```

## Border

The CSS property to change the border of an element to XYZ 69.4231, 51.9280, 97.6309 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, 158, 251) }
```



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

```
.border{ border-color:rgb(251, 158, 251) }
```

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

Here you see how a box with a 4 pixel rgb(251, 158, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 158, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 158, 251);  
box-shadow:4px 4px 4px 4px rgb(251, 158,  
251) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.4231, 51.9280, 97.6309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 158, 251) }
```

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

```
.background{ background-color: rgb(251,  
158, 251) }
```

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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