

Converting Colors

XYZ(81.4499, 57.3516, 94.8699)

Have a look what the booklet for
XYZ(81.4499, 57.3516, 94.8699)
contains.

XYZ(69.7498, 51.4181, 94.2442)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(69.7498, 51.4181,
94.2442)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9BF7
RGB	255, 155, 247
RGB Percent	100%, 61%, 97%
CMY	0.0000, 0.3921, 0.0314
CMYK	0.00, 0.39, 0.03, 0.00
HSL	305°, 100%, 80%
HSV	305°, 39%, 100%
XYZ	69.7498, 51.4181, 94.2442
YIQ	195.3880, 30.0680, 49.8120

Conversions

Conversions Part 2

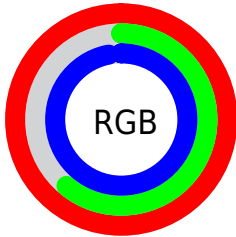
Format	Color
R _Y B	255, 155, 247
Decimal	16751607
CIE _{Lab}	76.93, 50.43, -30.38
CIE _{LCh}	77, 58.869, 328.937
Yxy	51.4181, 0.3238, 0.2387
Android (android.graphics.Color)	4294941687 (0xFFFF9BF7)
YUV	195.3880, 25.4447, 52.2797
Hunter-Lab	71.7064, 48.1431, -27.7307

Details

The XYZ color **69.7498, 51.4181, 94.2442** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **55.8900, 81.1337, 47.3674**, and the grayscale version is **51.9448, 54.6500, 59.5138**.

A 20% lighter version of the original color is **82.5843, 75.0685, 104.7448**, and **36.9739, 24.8954, 51.5717** is the 20% darker color. If you saturate the color by 10%, you get **65.6326, 43.6844, 91.3277**, and if you desaturate by 10%, it is **74.7689, 60.9493, 97.4796**.

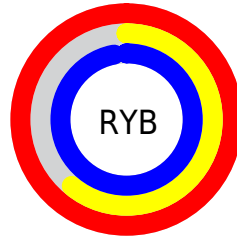
Distribution



Red (100%)

Green (61%)

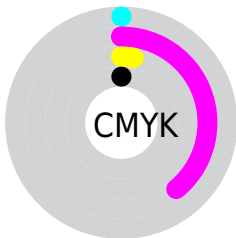
Blue (97%)



Red (100%)

Yellow (61%)

Blue (97%)

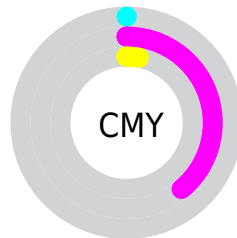


Cyan (0%)

Magenta (39%)

Yellow (3%)

Black (0%)



Cyan (0%)

Magenta (39%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.7498, 51.4181, 94.2442 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 69.7498, 51.4181, 94.2442 by changing the saturation by 10% instead.

69.7498, 51.4181,
94.2442

69.7498, 51.4181,
94.2442

448.9511,
392.1860, 562.6649

51.6014, 36.5415,
70.9127

117.8801, 92.2725,
155.2066

36.9105, 24.8527,
51.7895

148.5928,
119.0190, 193.6746

25.3115, 15.9673,
36.4563

184.2242,
150.4910, 238.0251

16.4393, 9.5010,
24.4943

225.1399,
187.0728, 288.6767

9.9283, 5.0694,
15.4851

271.7050,
229.1488, 346.0479

5.4134, 2.2880,
9.0102

324.2850,

2.5290, 0.7674,

277.1034, 410.5574

4.6509

383.2453,
331.3210, 482.6235

■ 0.9099, 0.0000,
1.9888

■ 0.0000, 0.0000,
0.5484

■ 69.7498, 51.4181,
94.2442

■ 69.7498, 51.4181,
94.2442

■ 65.6326, 43.6844,
91.3277

■ 74.7689, 60.9493,
97.4796

■ 62.3567, 37.6281,
88.7080

■ 80.7381, 72.3757,
101.0480

■ 59.8599, 33.1247,
86.3649

■ 87.7066, 85.7951,
104.9667

■ 58.0699, 30.0294,
84.2742

95.0500, 100.0000,
108.9000

■ 56.9007, 28.1701,
82.4072

■ 56.2227, 27.2879,
80.7207

■ 56.1778, 27.2351,
80.5915

Harmonies

Analogous

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



60.0558, 51.4181, 129.2169



69.7498, 51.4181, 94.2442



73.7355, 51.4181, 57.1382

Triad

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



69.7498, 51.4181, 94.2442



49.2722, 51.4181, 14.1764



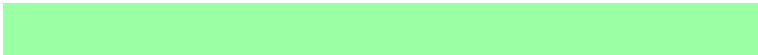
32.3357, 51.4181, 91.4661

Complementary

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



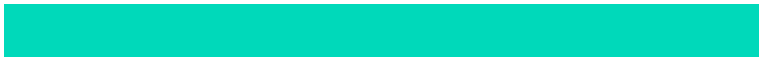
69.7498, 51.4181, 94.2442



55.8900, 81.1337, 47.3674

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.



30.3384, 51.4181, 54.8486



69.7498, 51.4181, 94.2442



39.1696, 51.4181, 17.4841

Square

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



69.7498, 51.4181, 94.2442



60.8537, 51.4181, 18.0164



32.6401, 51.4181, 29.7996



38.5752, 51.4181, 127.2279

Rectangle

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



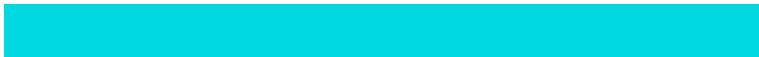
69.7498, 51.4181, 94.2442



72.2168, 51.4181, 38.2520



32.6401, 51.4181, 29.7996



31.1923, 51.4181, 78.4949

Sweetspot

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



69.7510, 51.4202, 94.2453



85.6616, 81.8499, 103.8386



44.6062, 38.3118, 99.6517



18.1358, 17.1352, 22.1146



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.



69.7510, 51.4202, 94.2453



66.4694, 45.2476, 91.9471



63.1943, 48.7975, 59.7181



18.7263, 18.2738, 22.4417



29.3804, 14.2415, 42.2492



2.8785, 1.3938, 4.2076

Inverse Universe

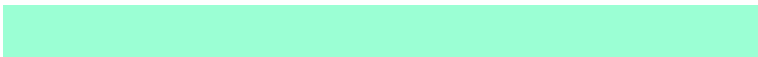
The Inverse Universe completely reimagines the original color for something new.



69.7510, 51.4202, 94.2453



66.4694, 45.2476, 91.9471



61.1207, 83.2260, 74.9117



18.7263, 18.2738, 22.4417



29.3804, 14.2415, 42.2492



2.8785, 1.3938, 4.2076

Previews

White Background



This preview shows how the XYZ color 69.7498, 51.4181, 94.2442 looks on a white background.

Color Contrast Check

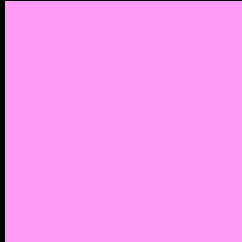
Large Text (above 18pt) WCAG AA × Fail

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 69.7498, 51.4181, 94.2442 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

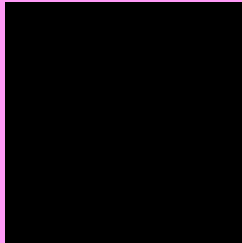
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.7498, 51.4181, 94.2442

Background



This preview shows how black text looks on a background with the XYZ color 69.7498, 51.4181, 94.2442.



This preview shows how white text looks on a background with the XYZ color 69.7498, 51.4181,

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

69.7498, 51.4181, 94.2442

Protanopia

52.6108, 51.7325, 101.8202

Deuteranopia

52.9389, 51.8366, 90.4344



Tritanopia

60.8862, 51.4863, 50.4449

Trichromacy



Original Color

69.7498, 51.4181, 94.2442



Protanomaly

57.1834, 50.4965, 98.8284



Deuteranomaly

57.8021, 50.6863, 91.5310



Tritanomaly

63.7192, 51.2827, 64.2978

Monochromacy



Original Color

69.7498, 51.4181, 94.2442



Achromatopsia

51.8711, 54.5724, 59.4294



Achromatomaly

57.0741, 52.2493, 70.6953

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.7498, 51.4181, 94.2442 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, 155, 247)` looks like.

```
.text, #text, p{  
    color:rgb(255, 155, 247)  
}
```

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, 155, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 155, 247) }
```

Border

The CSS property to change the border of an element to XYZ 69.7498, 51.4181, 94.2442 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, 155, 247) }
```


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

```
.border{ border-color:rgb(255, 155, 247) }
```

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

Here you see how a box with a 4 pixel rgb(255, 155, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 155, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 155, 247);  
box-shadow:4px 4px 4px 4px rgb(255, 155,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 69.7498, 51.4181, 94.2442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 155, 247) }
```

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

```
.background{ background-color: rgb(255,  
155, 247) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor