

Converting Colors

XYZ(68.9362, 49.7897, 93.9763)

Have a look what the booklet for XYZ(68.9362, 49.7897, 93.9763) contains.

- XYZ(68.9348, 49.7881, 93.9725) 3**
- Conversions* 4**
- Details* 6**
- Harmonies* 12**
- Previews* 24**
- Color Blindness Simulation* 28**
- CSS Examples* 31**

Color

**XYZ(68.9348, 49.7881,
93.9725)**

Conversions

Conversions Part 1

Format	Color
Hex	FF96F7
RGB	255, 150, 247
RGB Percent	100%, 59%, 97%
CMY	0.0000, 0.4117, 0.0314
CMYK	0.00, 0.41, 0.03, 0.00
HSL	305°, 100%, 79%
HSV	305°, 41%, 100%
XYZ	68.9348, 49.7881, 93.9725
YIQ	192.4530, 31.4430, 52.4270

Conversions

Conversions Part 2

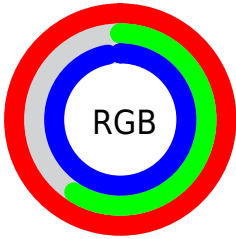
Format	Color
R _Y B	255, 150, 247
Decimal	16750327
CIE Lab	75.94, 52.94, -31.90
CIE LCh	76, 61.812, 328.927
Yxy	49.7881, 0.3241, 0.2341
Android (android.graphics.Color)	4294940407 (0xFFFF96F7)
YUV	192.4530, 26.8917, 54.8537
Hunter-Lab	70.5607, 50.9057, -29.5698

Details

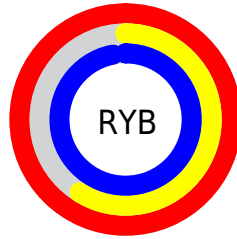
The XYZ color **68.9348, 49.7881, 93.9725** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **54.5108, 80.4734, 45.0100**, and the grayscale version is **50.2037, 52.8182, 57.5190**.

A 20% lighter version of the original color is **81.3613, 72.6226, 104.3371**, and **36.2421, 23.8192, 51.4026** is the 20% darker color. If you saturate the color by 10%, you get **65.0015, 42.3986, 91.1905**, and if you desaturate by 10%, it is **73.7588, 58.9534, 97.0681**.

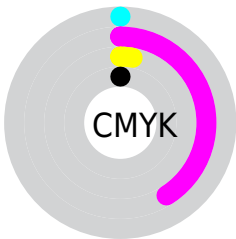
Distribution



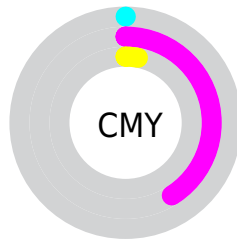
- Red (100%)
- Green (59%)
- Blue (97%)



- Red (100%)
- Yellow (59%)
- Blue (97%)



- Cyan (0%)
- Magenta (41%)
- Yellow (3%)
- Black (0%)





- Cyan (0%)
- Magenta (41%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.9348, 49.7881, 93.9725 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 68.9348, 49.7881, 93.9725 by changing the saturation by 10% instead.


 68.9348, 49.7881,
93.9725


 68.9348, 49.7881,
93.9725


446.1260,
385.8367, 561.7704

 50.9351, 35.2451,
70.6879


 116.7230, 89.8608,
154.8276

 36.3778, 23.8517,
51.6073

 147.2422,
116.1593, 193.2353

 24.8975, 15.2237,
36.3121


182.6653,
147.1451, 237.5211

 16.1291, 8.9765,
24.3837

223.3576,
183.2025, 288.1035

 9.7070, 4.7259,
15.4037

269.6844,
224.7160, 345.4011

 5.2659, 2.0873,
8.9534

322.0112,

 2.4404, 0.6575,

272.0699, 409.8324

4.6144

380.7033,
325.6487, 481.8160

■ 0.8653, 0.0000,
1.9681

■ 0.0000, 0.0000,
0.5356

■ 68.9348, 49.7881,
93.9725

■ 68.9348, 49.7881,
93.9725

■ 65.0015, 42.3986,
91.1905

■ 73.7588, 58.9534,
97.0681

■ 61.8975, 36.6629,
88.6997

■ 79.5227, 69.9940,
100.4918

■ 59.5589, 32.4531,
86.4793

■ 86.2766, 83.0093,
104.2610

■ 57.9112, 29.6200,
84.5045

■ 94.0656, 98.0899,
108.3908

■ 56.8647, 27.9846,
82.7453

95.0500, 100.0000,
108.9000

■ 56.3183, 27.2913,
81.3310

Harmonies

Analogous

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



58.8610, 49.7881, 130.8151



68.9348, 49.7881, 93.9725



73.0939, 49.7881, 55.4075

Triad

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



68.9348, 49.7881, 93.9725



47.7381, 49.7881, 12.3124



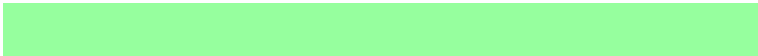
30.4666, 49.7881, 91.0343

Complementary

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



68.9348, 49.7881, 93.9725



54.5108, 80.4734, 45.0100

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.



28.4556, 49.7881, 53.0314



68.9348, 49.7881, 93.9725



37.3993, 49.7881, 15.4939

Square

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



68.9348, 49.7881, 93.9725



59.6960, 49.7881, 16.0151



30.7770, 49.7881, 27.6246



36.7884, 49.7881, 128.6893

Rectangle

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



68.9348, 49.7881, 93.9725



71.5109, 49.7881, 36.1329



30.7770, 49.7881, 27.6246



29.3143, 49.7881, 77.4920

Sweetspot

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



68.9360, 49.7901, 93.9735



85.6802, 81.8573, 103.9362



42.8631, 36.2033, 99.3366



18.1402, 17.1370, 22.1378



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.



68.9360, 49.7901, 93.9735



65.7842, 43.8605, 91.7700



62.0547, 47.0376, 57.7372



18.7294, 18.2751, 22.4583



29.4527, 14.2704, 42.6297



2.8848, 1.3963, 4.2406

Inverse Universe

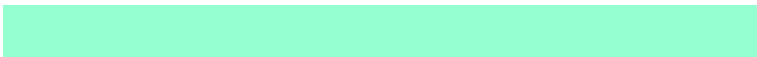
The Inverse Universe completely reimagines the original color for something new.



68.9360, 49.7901, 93.9735



65.7842, 43.8605, 91.7700



59.9098, 82.6330, 73.4406



18.7294, 18.2751, 22.4583



29.4527, 14.2704, 42.6297



2.8848, 1.3963, 4.2406

Previews

White Background



This preview shows how the XYZ color 68.9348, 49.7881, 93.9725 looks on a white background.

Color Contrast Check

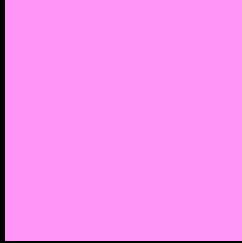
Large Text (above 18pt) WCAG AA × Fail

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 68.9348, 49.7881, 93.9725 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

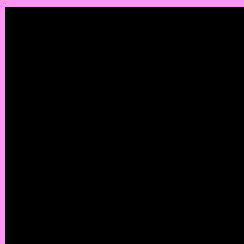
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.9348, 49.7881, 93.9725

Background



This preview shows how black text looks on a background with the XYZ color 68.9348, 49.7881, 93.9725.



This preview shows how white text looks on a background with the XYZ color 68.9348, 49.7881,

93.9725.

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

68.9348, 49.7881, 93.9725

Protanopia

51.1248, 50.0249, 101.5689

Deuteranopia

51.3778, 50.0968, 90.1808



Tritanopia

59.3970, 49.6774, 48.0531

Trichromacy



Original Color

68.9348, 49.7881, 93.9725



Protanomaly

55.6119, 48.5391, 98.5334



Deuteranomaly

56.3838, 49.0979, 91.2991



Tritanomaly

62.2984, 49.5456, 62.1569

Monochromacy



Original Color

68.9348, 49.7881, 93.9725



Achromatopsia

50.1023, 52.7115, 57.4028



Achromatomaly

55.6301, 50.6448, 69.1308

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.9348, 49.7881, 93.9725 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, 150, 247)` looks like.

```
.text, #text, p{  
    color:rgb(255, 150, 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, 150, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 150, 247) }
```

Border

The CSS property to change the border of an element to XYZ 68.9348, 49.7881, 93.9725 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, 150, 247) }
```


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

```
.border{ border-color:rgb(255, 150, 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, 150, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 150, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 150, 247);  
box-shadow:4px 4px 4px 4px rgb(255, 150,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 68.9348, 49.7881, 93.9725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 150, 247) }
```

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

```
.background{ background-color: rgb(255,  
150, 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