

Converting Colors

XYZ(67.8058, 52.0067, 94.2523)

Have a look what the booklet for
XYZ(67.8058, 52.0067, 94.2523)
contains.

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Color

**XYZ(67.8911, 51.9793,
94.4504)**

Conversions

Conversions Part 1

Format	Color
Hex	F7A1F7
RGB	247, 161, 247
RGB Percent	97%, 63%, 97%
CMY	0.0314, 0.3686, 0.0314
CMYK	0.00, 0.35, 0.00, 0.03
HSL	300°, 84%, 80%
HSV	300°, 35%, 97%
XYZ	67.8911, 51.9793, 94.4504
YIQ	196.5180, 23.6500, 44.9780

Conversions

Conversions Part 2

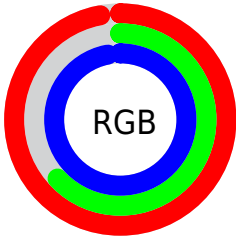
Format	Color
R _Y B	247, 161, 247
Decimal	16228855
CIE Lab	77.27, 44.93, -29.93
CIE LCh	77, 53.991, 326.329
Yxy	51.9793, 0.3168, 0.2425
Android (android.graphics.Color)	4294418935 (0xFFFF7A1F7)
YUV	196.5180, 24.8876, 44.2727
Hunter-Lab	72.0967, 41.9185, -27.2053

Details

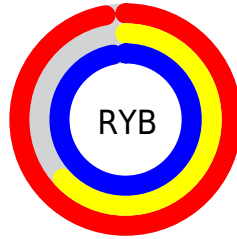
The XYZ color **67.8911, 51.9793, 94.4504** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **54.3939, 76.6735, 45.6537**, and the grayscale version is **52.6270, 55.3677, 60.2955**.

A 20% lighter version of the original color is **84.1029, 78.1057, 105.2510**, and **35.5382, 25.0519, 51.6776** is the 20% darker color. If you saturate the color by 10%, you get **63.9941, 44.1844, 93.1518**, and if you desaturate by 10%, it is **72.6439, 61.4839, 96.0354**.

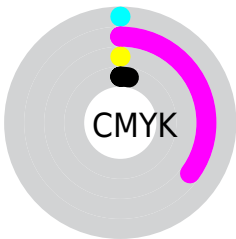
Distribution



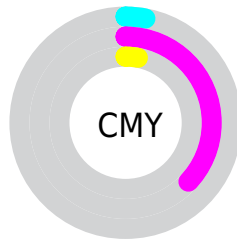
- Red (97%)
- Green (63%)
- Blue (97%)



- Red (97%)
- Yellow (63%)
- Blue (97%)



- Cyan (0%)
- Magenta (35%)
- Yellow (0%)
- Black (3%)





- Cyan (3%)
- Magenta (37%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.8911, 51.9793, 94.4504 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 67.8911, 51.9793, 94.4504 by changing the saturation by 10% instead.


 67.8911, 51.9793,
94.4504


 67.8911, 51.9793,
94.4504


442.4929,
394.3567, 563.3433

 50.0825, 36.9886,
71.0833

 115.2391, 93.1007,
155.4941

 35.6970, 25.1986,
51.9279

 145.5092,
120.0002, 194.0078

 24.3693, 16.2251,
36.5658


180.6639,
151.6380, 238.4074

 15.7340, 9.6836,
24.5783

221.0684,
188.3987, 289.1115

 9.4258, 5.1897,
15.5470

267.0883,
230.6664, 346.5386

 5.0793, 2.3590,
9.0533

319.0887,

 2.3291, 0.8047,

278.8258, 411.1072

4.6787

377.4351,
333.2611, 483.2360

■ 0.8095, 0.0000,
2.0046

■ 0.0000, 0.0000,
0.5581

■ 67.8911, 51.9793,
94.4504

■ 67.8911, 51.9793,
94.4504

■ 63.9941, 44.1844,
93.1518

■ 72.6439, 61.4839,
96.0354

■ 60.8976, 37.9913,
92.1195

■ 78.2939, 72.7838,
97.9188

■ 58.5474, 33.2909,
91.3360

■ 84.8857, 85.9673,
100.1162

■ 56.8806, 29.9574,
90.7802

■ 90.9070, 98.0099,
102.1234

55.8242, 27.8446,
90.4280

90.9071, 98.0099,
102.1236

55.2882, 26.7727,
90.2492

90.9071, 98.0099,
102.1237

55.1468, 26.4898,
90.2020

90.9071, 98.0100,
102.1239

90.9071, 98.0100,
102.1240

90.9072, 98.0100,
102.1242

Harmonies

Analogous

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



58.7696, 51.9793, 124.6063



67.8911, 51.9793, 94.4504



72.0503, 51.9793, 60.3252

Triad

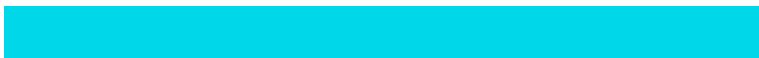
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



67.8911, 51.9793, 94.4504



50.6901, 51.9793, 16.6394



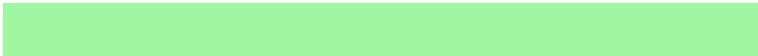
33.6258, 51.9793, 85.8330

Complementary

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



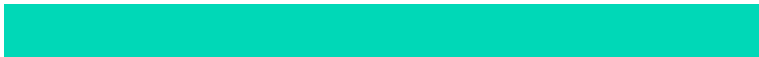
67.8911, 51.9793, 94.4504



54.3939, 76.6735, 45.6537

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.



32.0838, 51.9793, 53.0249



67.8911, 51.9793, 94.4504



41.0917, 51.9793, 19.3364

Square

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



67.8911, 51.9793, 94.4504



61.2826, 51.9793, 21.1754



34.6215, 51.9793, 30.5093



39.1703, 51.9793, 118.5313

Rectangle

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



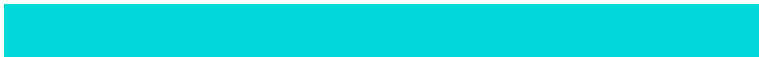
67.8911, 51.9793, 94.4504



71.0746, 51.9793, 42.0341



34.6215, 51.9793, 30.5093



32.6588, 51.9793, 74.1852

Sweetspot

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



67.8928, 51.9816, 94.4515



87.4478, 84.7957, 106.3658



44.2337, 39.7849, 93.3448



18.5068, 17.7284, 22.6964



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.



67.8928, 51.9816, 94.4515



69.8641, 49.6284, 100.5041



62.0037, 49.6259, 63.4398



17.2137, 16.7683, 20.8719



29.1649, 14.0094, 47.7042



2.5633, 1.2313, 4.1927

Inverse Universe

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



67.8928, 51.9816, 94.4515



69.8641, 49.6284, 100.5041



58.8598, 78.4599, 69.1710



17.2137, 16.7683, 20.8719



29.1649, 14.0094, 47.7042



2.5633, 1.2313, 4.1927

Previews

White Background



This preview shows how the XYZ color 67.8911, 51.9793, 94.4504 looks on a white background.

Color Contrast Check

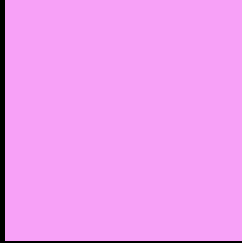
Large Text (above 18pt) WCAG AA × Fail

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 67.8911, 51.9793, 94.4504 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

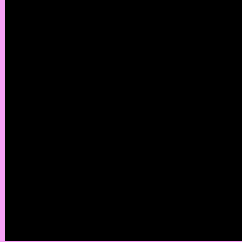
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.8911, 51.9793, 94.4504

Background



This preview shows how black text looks on a background with the XYZ color 67.8911, 51.9793, 94.4504.



This preview shows how white text looks on a background with the XYZ color 67.8911, 51.9793,

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

67.8911, 51.9793, 94.4504

Protanopia

53.2609, 52.3858, 101.9121

Deuteranopia

53.5387, 52.4445, 91.3054



Tritanopia

59.5098, 51.8257, 53.8806

Trichromacy



Original Color

67.8911, 51.9793, 94.4504



Protanomaly

57.2440, 51.4106, 99.0016



Deuteranomaly

57.7031, 51.4943, 92.4861



Tritanomaly

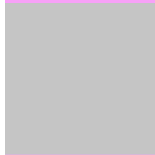
62.3145, 51.8566, 67.0466

Monochromacy



Original Color

67.8911, 51.9793, 94.4504



Achromatopsia

53.0703, 55.8340, 60.8033



Achromatomaly

57.4306, 53.6343, 71.6155

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.8911, 51.9793, 94.4504 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(247, 161, 247)` looks like.

```
.text, #text, p{  
    color:rgb(247, 161, 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(247, 161, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 161, 247) }
```

Border

The CSS property to change the border of an element to XYZ 67.8911, 51.9793, 94.4504 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(247, 161, 247) }
```


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

```
.border{ border-color:rgb(247, 161, 247) }
```

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

Here you see how a box with a 4 pixel rgb(247, 161, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 161, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 161, 247);  
box-shadow:4px 4px 4px 4px rgb(247, 161,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 67.8911, 51.9793, 94.4504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 161, 247) }
```

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

```
.background{ background-color: rgb(247,  
161, 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](#).

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