

Converting Colors

XYZ(77.4349, 57.8082,
148.3419)

Have a look what the booklet for
XYZ(77.4349, 57.8082, 148.3419)
contains.

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Color

**XYZ(68.5136, 54.2967,
101.4770)**

Conversions

Conversions Part 1

Format	Color
Hex	F1A9FF
RGB	241, 169, 255
RGB Percent	95%, 66%, 100%
CMY	0.0549, 0.3372, 0.0000
CMYK	0.05, 0.34, 0.00, 0.00
HSL	290°, 100%, 83%
HSV	290°, 34%, 100%
XYZ	68.5136, 54.2967, 101.4770
YIQ	200.3320, 15.3060, 42.0100

Conversions

Conversions Part 2

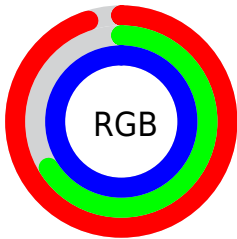
Format	Color
R _Y B	241, 169, 255
Decimal	15837695
CIE _{Lab}	78.63, 40.41, -32.20
CIE _{LCh}	79, 51.666, 321.453
Yxy	54.2967, 0.3055, 0.2421
Android (android.graphics.Color)	4294027775 (0xFFFF1A9FF)
YUV	200.3320, 26.9513, 35.6658
Hunter-Lab	73.6863, 37.0185, -30.0708

Details

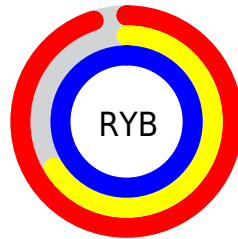
The XYZ color **68.5136, 54.2967, 101.4770** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **62.4511, 84.4524, 50.5481**, and the grayscale version is **54.9382, 57.7993, 62.9434**.

A 20% lighter version of the original color is **86.2152, 82.3304, 105.9551**, and **36.2056, 26.7583, 56.6827** is the 20% darker color. If you saturate the color by 10%, you get **62.8238, 44.9959, 99.9816**, and if you desaturate by 10%, it is **75.1639, 65.4688, 103.2829**.

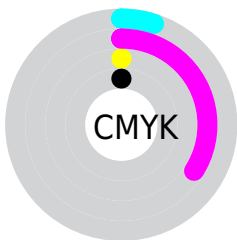
Distribution



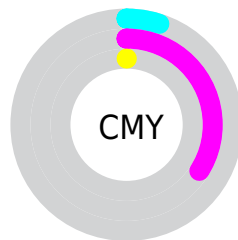
- Red (95%)
- Green (66%)
- Blue (100%)



- Red (95%)
- Yellow (66%)
- Blue (100%)



- Cyan (5%)
- Magenta (34%)
- Yellow (0%)
- Black (0%)



- Cyan (5%)
- Magenta (34%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.5136, 54.2967, 101.4770 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 68.5136, 54.2967, 101.4770 by changing the saturation by 10% instead.

68.5136, 54.2967,
101.4770

68.5136, 54.2967,
101.4770

444.6618,
403.2404, 586.2048

50.5909, 38.8389,
76.9109

116.1245, 96.5097,
165.2550

36.1028, 26.6344,
56.6686

146.5433,
124.0338, 205.3039

24.6841, 17.2989,
40.3316

181.8583,
156.3487, 251.3509

15.9693, 10.4478,
27.4815

222.4347,
193.8389, 303.8144

9.5932, 5.6969,
17.6995

268.6379,
236.8888, 363.1130

5.1902, 2.6616,
10.5673

320.8332,

2.3952, 0.9578,

285.8828, 429.6653

5.6662

379.3861,
341.2052, 503.8897

■ 0.8427, 0.0000,
2.5777

■ 0.0000, 0.0000,
0.8809

■ 68.5136, 54.2967,
101.4770

■ 68.5136, 54.2967,
101.4770

■ 62.8238, 44.9959,
99.9816

■ 75.1639, 65.4688,
103.2829

■ 58.0355, 37.4513,
98.7778

■ 82.8198, 78.6047,
105.4149

■ 54.0906, 31.5461,
97.8459

■ 91.5291, 93.7990,
107.8886

■ 50.9216, 27.1460,
97.1636

95.0500, 100.0000,
108.9000

■ 48.4508, 24.0954,
96.7050

■ 46.5829, 22.2044,
96.4384

■ 45.6334, 21.4398,
96.3409

Harmonies

Analogous

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



59.1168, 54.2967, 128.3080



68.5136, 54.2967, 101.4770



73.5298, 54.2967, 67.8656

Triad

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



68.5136, 54.2967, 101.4770



54.5770, 54.2967, 19.1580



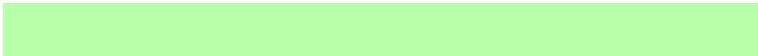
35.4232, 54.2967, 82.1307

Complementary

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



68.5136, 54.2967, 101.4770



62.4511, 84.4524, 50.5481

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.



34.5429, 54.2967, 51.1598



68.5136, 54.2967, 101.4770



44.7625, 54.2967, 20.7411

Square

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



68.5136, 54.2967, 101.4770



64.8173, 54.2967, 25.1762



37.7397, 54.2967, 30.5742



40.3265, 54.2967, 114.8189

Rectangle

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



68.5136, 54.2967, 101.4770



73.3113, 54.2967, 48.6548



37.7397, 54.2967, 30.5742



34.6752, 54.2967, 70.9873

Sweetspot

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



68.5152, 54.2990, 101.4773



85.9372, 84.0170, 106.2953



51.4165, 49.6620, 101.4835



18.1385, 17.5386, 22.6792



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.



68.5152, 54.2990, 101.4773



64.8345, 48.2483, 100.5035



69.2024, 55.1473, 79.1899



18.4853, 18.1419, 22.7774



23.9525, 11.2584, 50.3452



2.4062, 1.1344, 4.9054

Inverse Universe

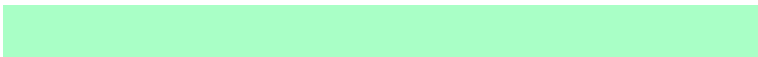
The Inverse Universe completely reimagines the original color for something new.



63.9765, 53.0569, 51.6706



59.8495, 46.9298, 43.7377



62.2783, 84.0176, 66.1614



18.1299, 18.0353, 19.3015



21.7978, 11.2084, 2.3200



2.1550, 1.1044, 0.3976

Previews

White Background



This preview shows how the XYZ color 68.5136, 54.2967, 101.4770 looks on a white background.

Color Contrast Check

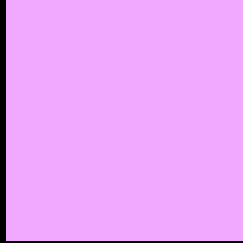
Large Text (above 18pt) WCAG AA × Fail

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 68.5136, 54.2967, 101.4770 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

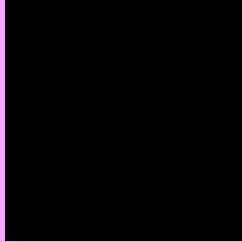
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.5136, 54.2967, 101.4770

Background



This preview shows how black text looks on a background with the XYZ color 68.5136, 54.2967, 101.4770.



This preview shows how white text looks on a background with the XYZ color 68.5136, 54.2967,

101.4770.

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

68.5136, 54.2967, 101.4770

Protanopia

55.2514, 54.7070, 102.2552

Deuteranopia

55.8106, 54.4170, 98.8288



Tritanopia

59.6529, 54.1437, 58.9365

Trichromacy



Original Color

68.5136, 54.2967, 101.4770



Protanomaly

59.0099, 53.7803, 101.8782



Deuteranomaly

59.6810, 53.8744, 99.3487

Tritanomaly

62.5075, 54.1162, 72.7966

Monochromacy



Original Color

68.5136, 54.2967, 101.4770



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

59.1402, 56.0096, 75.4040

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.5136, 54.2967, 101.4770 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(241, 169, 255)` looks like.

```
.text, #text, p{  
    color:rgb(241, 169, 255)  
}
```

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(241, 169, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 169, 255) }
```

Border

The CSS property to change the border of an element to XYZ 68.5136, 54.2967, 101.4770 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(241, 169, 255) }
```


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

```
.border{ border-color:rgb(241, 169, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 169, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 169, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 169, 255);  
box-shadow:4px 4px 4px 4px rgb(241, 169,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 68.5136, 54.2967, 101.4770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 169, 255) }
```

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

```
.background{ background-color: rgb(241,  
169, 255) }
```

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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