

Converting Colors

XYZ(80.1126, 59.1307,
156.1301)

Have a look what the booklet for
XYZ(80.1126, 59.1307, 156.1301)
contains.

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Color

**XYZ(69.5462, 54.8290,
101.5253)**

Conversions

Conversions Part 1

Format	Color
Hex	F4A9FF
RGB	244, 169, 255
RGB Percent	96%, 66%, 100%
CMY	0.0431, 0.3372, 0.0000
CMYK	0.04, 0.34, 0.00, 0.00
HSL	292°, 100%, 83%
HSV	292°, 34%, 100%
XYZ	69.5462, 54.8290, 101.5253
YIQ	201.2290, 17.0940, 42.6460

Conversions

Conversions Part 2

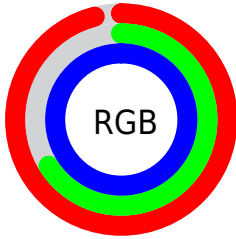
Format	Color
R _Y B	244, 169, 255
Decimal	16034303
CIE Lab	78.94, 41.32, -31.70
CIE LCh	79, 52.076, 322.509
Yxy	54.8290, 0.3079, 0.2427
Android (android.graphics.Color)	4294224383 (0xFFFF4A9FF)
YUV	201.2290, 26.5091, 37.5102
Hunter-Lab	74.0466, 38.0696, -29.4599

Details

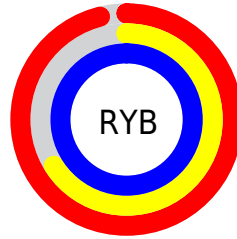
The XYZ color **69.5462, 54.8290, 101.5253** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **61.7451, 84.0885, 50.5151**, and the grayscale version is **55.4941, 58.3841, 63.5803**.

A 20% lighter version of the original color is **86.2152, 82.3304, 105.9551**, and **36.8173, 26.9035, 56.6785** is the 20% darker color. If you saturate the color by 10%, you get **64.1356, 45.6721, 100.0430**, and if you desaturate by 10%, it is **75.9051, 65.8509, 103.3176**.

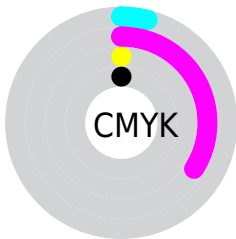
Distribution



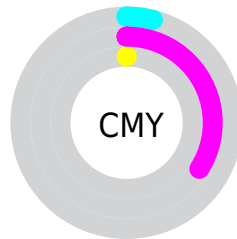
- Red (96%)
- Green (66%)
- Blue (100%)



- Red (96%)
- Yellow (66%)
- Blue (100%)



- Cyan (4%)
- Magenta (34%)
- Yellow (0%)
- Black (0%)



- Cyan (4%)
- Magenta (34%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.5462, 54.8290, 101.5253 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 69.5462, 54.8290, 101.5253 by changing the saturation by 10% instead.

69.5462, 54.8290,
101.5253

69.5462, 54.8290,
101.5253

448.2463,
405.2634, 586.3603

51.4349, 39.2648,
76.9510

117.5912, 97.2904,
165.3218

36.7773, 26.9658,
56.7014

148.2556,
124.9564, 205.3812

25.2080, 17.5475,
40.3578

183.8351,
157.4251, 251.4393

16.3616, 10.6256,
27.5017

224.6950,
195.0809, 303.9147

9.8729, 5.8157,
17.7146

271.2008,
238.3083, 363.2260

5.3764, 2.7333,
10.5780

323.7177,

2.5068, 0.9942,

287.4915, 429.7917

5.6732

382.6111,
343.0151, 504.0303

■ 0.8987, 0.0000,
2.5819

■ 0.0000, 0.0000,
0.8831

■ 69.5462, 54.8290,
101.5253

■ 69.5462, 54.8290,
101.5253

■ 64.1356, 45.6721,
100.0430

■ 75.9051, 65.8509,
103.3176

■ 59.6144, 38.2653,
98.8516

■ 83.2571, 78.8301,
105.4354

■ 55.9244, 32.4915,
97.9317

■ 91.6501, 93.8613,
107.8943

■ 52.9986, 28.2167,
97.2608

95.0500, 100.0000,
108.9000

■ 50.7590, 25.2853,
96.8130

■ 49.1107, 23.5075,
96.5567

■ 48.2930, 22.8109,
96.4654

Harmonies

Analogous

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



60.1067, 54.8290, 129.3205



69.5462, 54.8290, 101.5253



74.4314, 54.8290, 67.4396

Triad

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



69.5462, 54.8290, 101.5253



54.7502, 54.8290, 19.1536



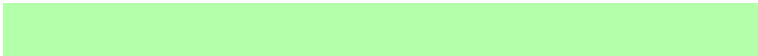
35.8102, 54.8290, 84.2764

Complementary

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



69.5462, 54.8290, 101.5253



61.7451, 84.0885, 50.5151

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.



34.7724, 54.8290, 52.5754



69.5462, 54.8290, 101.5253



44.8620, 54.8290, 21.0174

Square

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



69.5462, 54.8290, 101.5253



65.1839, 54.8290, 24.9426



37.8681, 54.8290, 31.3027



40.9184, 54.8290, 117.2794

Rectangle

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



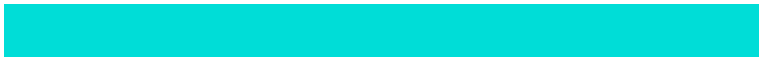
69.5462, 54.8290, 101.5253



74.0484, 54.8290, 48.1893



37.8681, 54.8290, 31.3027



35.0039, 54.8290, 72.9103

Sweetspot

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



69.5478, 54.8313, 101.5257



86.2582, 84.1824, 106.3103



50.8298, 48.4887, 101.2880



18.2167, 17.5789, 22.6829



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.



69.5478, 54.8313, 101.5257



66.0437, 48.8718, 100.5600



68.8115, 54.9909, 77.1313



18.5506, 18.1756, 22.7805



25.3237, 11.9653, 50.4094



2.5268, 1.1965, 4.9110

Inverse Universe

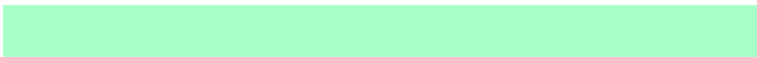
The Inverse Universe completely reimagines the original color for something new.



63.6675, 52.9333, 50.0432



59.5183, 46.7973, 41.9939



62.6115, 84.1509, 67.9157



18.1039, 18.0249, 19.1643



21.7185, 11.1767, 1.9020



2.1428, 1.0995, 0.3334

Previews

White Background



This preview shows how the XYZ color 69.5462, 54.8290, 101.5253 looks on a white background.

Color Contrast Check

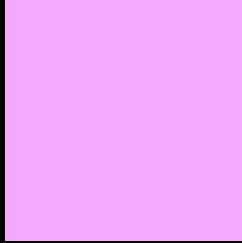
Large Text (above 18pt) WCAG AA × Fail

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 69.5462, 54.8290, 101.5253 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

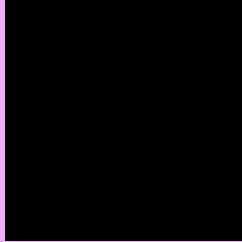
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.5462, 54.8290, 101.5253

Background



This preview shows how black text looks on a background with the XYZ color 69.5462, 54.8290, 101.5253.



This preview shows how white text looks on a background with the XYZ color 69.5462, 54.8290,

101.5253.

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

69.5462, 54.8290, 101.5253

Protanopia

55.7019, 55.2686, 102.3398

Deuteranopia

56.5119, 55.1034, 98.9243



Tritanopia

60.9663, 54.8207, 58.9979

Trichromacy



Original Color

69.5462, 54.8290, 101.5253



Protanomaly

59.7561, 54.4745, 101.9729



Deuteranomaly

60.4433, 54.5747, 99.4437

Tritanomaly

63.8431, 54.8048, 72.8591

Monochromacy



Original Color

69.5462, 54.8290, 101.5253



Achromatopsia

55.5167, 58.4078, 63.6061



Achromatomaly

59.8640, 56.3674, 76.1314

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.5462, 54.8290, 101.5253 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(244, 169, 255)` looks like.

```
.text, #text, p{  
    color:rgb(244, 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(244, 169, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 169, 255) }
```

Border

The CSS property to change the border of an element to XYZ 69.5462, 54.8290, 101.5253 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(244, 169, 255) }
```


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

```
.border{ border-color:rgb(244, 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(244, 169, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 169, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 169, 255);  
box-shadow:4px 4px 4px 4px rgb(244, 169,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 69.5462, 54.8290, 101.5253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 169, 255) }
```

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

```
.background{ background-color: rgb(244,  
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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