

Converting Colors

XYZ(72.9685, 55.4454,
124.8725)

Have a look what the booklet for
XYZ(72.9685, 55.4454, 124.8725)
contains.

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Color

**XYZ(68.4867, 53.7347,
101.3699)**

Conversions

Conversions Part 1

Format	Color
Hex	F2A7FF
RGB	242, 167, 255
RGB Percent	95%, 65%, 100%
CMY	0.0510, 0.3451, 0.0000
CMYK	0.05, 0.35, 0.00, 0.00
HSL	291°, 100%, 83%
HSV	291°, 35%, 100%
XYZ	68.4867, 53.7347, 101.3699
YIQ	199.4570, 16.4520, 43.2680

Conversions

Conversions Part 2

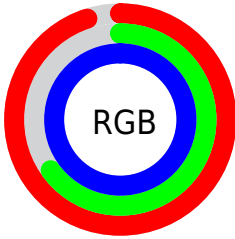
Format	Color
R _Y B	242, 167, 255
Decimal	15902719
CIE Lab	78.31, 41.76, -32.69
CIE LCh	78, 53.035, 321.945
Yxy	53.7347, 0.3063, 0.2403
Android (android.graphics.Color)	4294092799 (0xFFFF2A7FF)
YUV	199.4570, 27.3827, 37.3102
Hunter-Lab	73.3040, 38.4877, -30.6776

Details

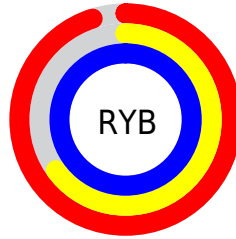
The XYZ color **68.4867, 53.7347, 101.3699** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **61.5587, 84.0139, 49.5336**, and the grayscale version is **54.3978, 57.2308, 62.3243**.

A 20% lighter version of the original color is **85.6777, 81.2554, 105.7759**, and **36.2179, 26.4261, 56.6179** is the 20% darker color. If you saturate the color by 10%, you get **62.9885, 44.6370, 99.9037**, and if you desaturate by 10%, it is **74.9357, 64.6926, 103.1451**.

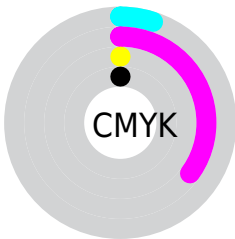
Distribution



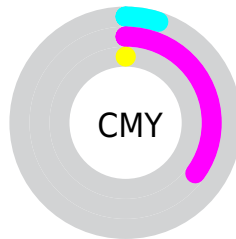
- Red (95%)
- Green (65%)
- Blue (100%)



- Red (95%)
- Yellow (65%)
- Blue (100%)



- Cyan (5%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)





- Cyan (5%)
- Magenta (35%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.4867, 53.7347, 101.3699 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 68.4867, 53.7347, 101.3699 by changing the saturation by 10% instead.


 68.4867, 53.7347,
101.3699


 68.4867, 53.7347,
101.3699


444.5682,
401.0975, 585.8600

 50.5689, 38.3896,
76.8218


 116.0862, 95.6846,
165.1067

 36.0853, 26.2852,
56.5960


 146.4987,
123.0582, 205.1326

 24.6705, 17.0371,
40.2738


181.8067,
155.2101, 251.1548

 15.9591, 10.2610,
27.4366

222.3757,
192.5246, 303.5919

 9.5859, 5.5723,
17.6661

268.5710,
235.3862, 362.8624

 5.1854, 2.5868,
10.5436

320.7579,

 2.3923, 0.9200,

284.1793, 429.3849

5.6505

379.3019,
339.2883, 503.5779

■ 0.8413, 0.0000,
2.5684

■ 0.0000, 0.0000,
0.8761

■ 68.4867, 53.7347,
101.3699

■ 68.4867, 53.7347,
101.3699

■ 62.9885, 44.6370,
99.9037

■ 74.9357, 64.6926,
103.1451

■ 58.3818, 37.2838,
98.7272

■ 82.3808, 77.6038,
105.2448

■ 54.6078, 31.5572,
97.8207

■ 90.8701, 92.5634,
107.6849

■ 51.5987, 27.3216,
97.1618

95.0500, 100.0000,
108.9000

■ 49.2756, 24.4192,
96.7240

■ 47.5416, 22.6567,
96.4752

■ 46.7644, 22.0228,
96.3938

Harmonies

Analogous

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



58.9142, 53.7347, 129.2973



68.4867, 53.7347, 101.3699



73.5336, 53.7347, 66.9025

Triad

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



68.4867, 53.7347, 101.3699



53.9259, 53.7347, 18.1578



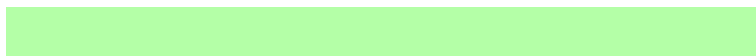
34.6845, 53.7347, 82.6178

Complementary

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



68.4867, 53.7347, 101.3699



61.5587, 84.0139, 49.5336

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.



33.7267, 53.7347, 50.8467



68.4867, 53.7347, 101.3699



43.9608, 53.7347, 19.8505

Square

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



68.4867, 53.7347, 101.3699



64.4134, 53.7347, 24.0142



36.8940, 53.7347, 29.8372



39.7151, 53.7347, 116.1586

Rectangle

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



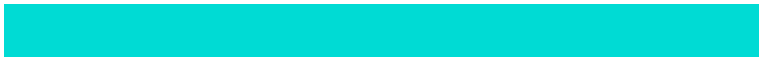
68.4867, 53.7347, 101.3699



73.2336, 53.7347, 47.4404



36.8940, 53.7347, 29.8372



33.9057, 53.7347, 71.1754

Sweetspot

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



68.4883, 53.7370, 101.3703



86.0756, 84.0883, 106.3017



50.3500, 48.1612, 101.2501



18.1722, 17.5560, 22.6808



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.



68.4883, 53.7370, 101.3703



64.8131, 47.6243, 100.3841



68.5416, 54.2921, 77.5315



18.5135, 18.1564, 22.7787



24.5357, 11.5591, 50.3725



2.4576, 1.1608, 4.9078

Inverse Universe

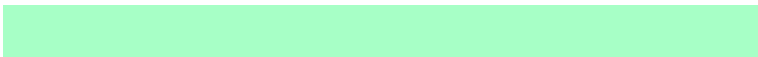
The Inverse Universe completely reimagines the original color for something new.



63.2982, 52.1948, 49.9202



59.0915, 45.9659, 41.7830



61.8678, 83.8042, 66.2223



18.1187, 18.0308, 19.2421



21.7614, 11.1939, 2.1280



2.1497, 1.1023, 0.3699

Previews

White Background



This preview shows how the XYZ color 68.4867, 53.7347, 101.3699 looks on a white background.

Color Contrast Check

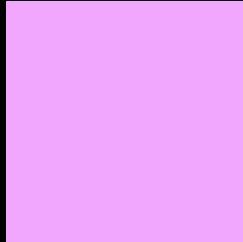
Large Text (above 18pt) WCAG AA × Fail

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 68.4867, 53.7347, 101.3699 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

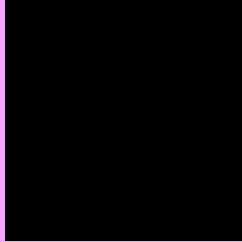
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.4867, 53.7347, 101.3699

Background



This preview shows how black text looks on a background with the XYZ color 68.4867, 53.7347, 101.3699.



This preview shows how white text looks on a background with the XYZ color 68.4867, 53.7347,

101.3699.

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

68.4867, 53.7347, 101.3699

Protanopia

54.8041, 54.1494, 102.1711

Deuteranopia

55.5718, 54.2939, 98.8176



Tritanopia

59.3500, 53.4141, 57.6339

Trichromacy



Original Color

68.4867, 53.7347, 101.3699



Protanomaly

58.8029, 53.3663, 101.8092



Deuteranomaly

59.2005, 53.3215, 99.2673

Tritanomaly

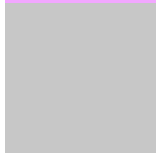
62.3167, 53.4507, 71.9983

Monochromacy



Original Color

68.4867, 53.7347, 101.3699



Achromatopsia

54.2854, 57.1125, 62.1955



Achromatomaly

58.5808, 55.1022, 74.5661

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.4867, 53.7347, 101.3699 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(242, 167, 255)` looks like.

```
.text, #text, p{  
    color:rgb(242, 167, 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(242, 167, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 167, 255) }
```

Border

The CSS property to change the border of an element to XYZ 68.4867, 53.7347, 101.3699 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(242, 167, 255) }
```


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

```
.border{ border-color:rgb(242, 167, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 167, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 167, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 167, 255);  
box-shadow:4px 4px 4px 4px rgb(242, 167,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 68.4867, 53.7347, 101.3699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 167, 255) }
```

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

```
.background{ background-color: rgb(242,  
167, 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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