

Converting Colors

XYZ(69.8827, 52.7710,
101.1103)

Have a look what the booklet for
XYZ(69.8827, 52.7710, 101.1103)
contains.

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Color

**XYZ(69.8618, 52.8495,
101.1266)**

Conversions

Conversions Part 1

Format	Color
Hex	F9A1FF
RGB	249, 161, 255
RGB Percent	98%, 63%, 100%
CMY	0.0235, 0.3686, 0.0000
CMYK	0.02, 0.37, 0.00, 0.00
HSL	296°, 100%, 82%
HSV	296°, 37%, 100%
XYZ	69.8618, 52.8495, 101.1266
YIQ	198.0280, 22.2740, 47.8900

Conversions

Conversions Part 2

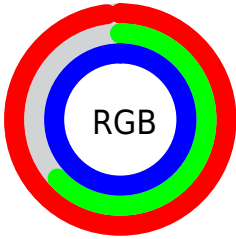
Format	Color
R _Y B	249, 161, 255
Decimal	16359935
CIE _{Lab}	77.79, 46.99, -33.43
CIE _{LCh}	78, 57.667, 324.566
Y _{xy}	52.8495, 0.3121, 0.2361
Android (android.graphics.Color)	4294550015 (0xFFFF9A1FF)
Y _{UV}	198.0280, 28.0872, 44.7024
Hunter-Lab	72.6977, 44.3160, -31.5874

Details

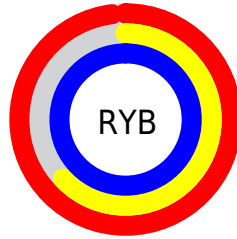
The XYZ color **69.8618, 52.8495, 101.1266** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **58.1307, 82.3093, 46.5443**, and the grayscale version is **53.5203, 56.3075, 61.3189**.

A 20% lighter version of the original color is **84.1029, 78.1057, 105.2510**, and **36.9366, 25.6690, 56.4339** is the 20% darker color. If you saturate the color by 10%, you get **65.2747, 44.5317, 99.7629**, and if you desaturate by 10%, it is **75.3658, 62.9916, 102.7941**.

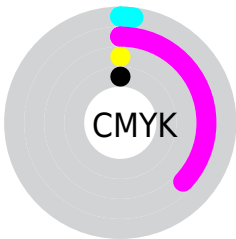
Distribution



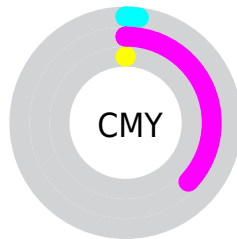
- Red (98%)
- Green (63%)
- Blue (100%)



- Red (98%)
- Yellow (63%)
- Blue (100%)



- Cyan (2%)
- Magenta (37%)
- Yellow (0%)
- Black (0%)





- Cyan (2%)
- Magenta (37%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.8618, 52.8495, 101.1266 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 69.8618, 52.8495, 101.1266 by changing the saturation by 10% instead.


 69.8618, 52.8495,
101.1266

 69.8618, 52.8495,
101.1266

449.3386,
397.7074, 585.0761

 51.6931, 37.6826,
76.6196


 118.0390, 94.3829,
164.7699

 36.9838, 25.7365,
56.4310


 148.7782,
121.5182, 204.7433

 25.3685, 16.6266,
40.1423

184.4382,
153.4117, 250.7092

 16.4820, 9.9686,
27.3349

225.3844,
190.4480, 303.0863

 9.9589, 5.3782,
17.5902

271.9822,
233.0113, 362.2929

 5.4338, 2.4708,
10.4898

324.5970,

 2.5413, 0.8620,

281.4860, 428.7478

5.6151

383.5940,
336.2566, 502.8693

■ 0.9161, 0.0000,
2.5475

■ 0.0000, 0.0000,
0.8652

■ 69.8618, 52.8495,
101.1266

■ 69.8618, 52.8495,
101.1266

■ 65.2747, 44.5317,
99.7629

■ 75.3658, 62.9916,
102.7941

■ 61.5440, 37.9202,
98.6834

■ 81.8327, 75.0531,
104.7814

■ 58.6096, 32.8940,
97.8678

■ 89.3112, 89.1304,
107.1044

■ 56.4015, 29.3130,
97.2930

95.0500, 100.0000,
108.9000

■ 54.8377, 27.0131,
96.9315

■ 53.8139, 25.7860,
96.7486

■ 53.5546, 25.5233,
96.7116

Harmonies

Analogous

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



59.7094, 52.8495, 133.6617



69.8618, 52.8495, 101.1266



74.8151, 52.8495, 63.5737

Triad

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



69.8618, 52.8495, 101.1266



52.2953, 52.8495, 15.4394



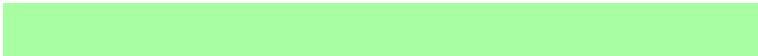
33.1076, 52.8495, 87.1215

Complementary

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



69.8618, 52.8495, 101.1266



58.1307, 82.3093, 46.5443

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.



31.7268, 52.8495, 51.9083



69.8618, 52.8495, 101.1266



41.8143, 52.8495, 17.7489

Square

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



69.8618, 52.8495, 101.1266



63.7543, 52.8495, 20.5458



34.6735, 52.8495, 28.7218



38.7710, 52.8495, 123.6942

Rectangle

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



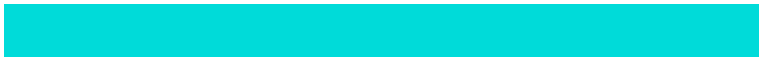
69.8618, 52.8495, 101.1266



74.0427, 52.8495, 43.4081



34.6735, 52.8495, 28.7218



32.1663, 52.8495, 74.4575

Sweetspot

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



69.8634, 52.8518, 101.1269



86.0899, 83.0529, 106.1011



46.6176, 42.5348, 100.3608



18.2093, 17.3672, 22.6424



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.



69.8634, 52.8518, 101.1269



66.4971, 46.7321, 100.1232



66.1579, 51.6205, 70.2755



18.6715, 18.2379, 22.7861



28.0324, 13.3617, 50.5362



2.7626, 1.3181, 4.9221

Inverse Universe

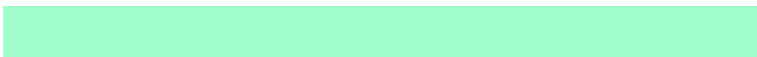
The Inverse Universe completely reimagines the original color for something new.



60.9613, 49.5419, 42.9106



56.5343, 43.0456, 34.1662



61.0886, 83.3494, 68.5820



18.0564, 18.0059, 18.9140



21.6164, 11.1359, 1.3645



2.1204, 1.0905, 0.2156

Previews

White Background



This preview shows how the XYZ color 69.8618, 52.8495, 101.1266 looks on a white background.

Color Contrast Check

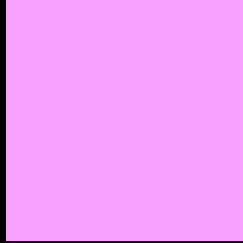
Large Text (above 18pt) WCAG AA × Fail

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 69.8618, 52.8495, 101.1266 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

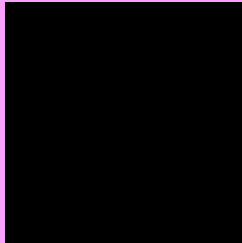
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.8618, 52.8495, 101.1266

Background



This preview shows how black text looks on a background with the XYZ color 69.8618, 52.8495, 101.1266.



This preview shows how white text looks on a background with the XYZ color 69.8618, 52.8495,

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

69.8618, 52.8495, 101.1266

Protanopia

54.1364, 53.4803, 102.0772

Deuteranopia

54.5090, 53.1211, 97.8229



Tritanopia

60.3423, 52.8160, 54.5911

Trichromacy



Original Color

69.8618, 52.8495, 101.1266



Protanomaly

58.4587, 52.2800, 101.6177



Deuteranomaly

59.1444, 52.3903, 99.0906

Tritanomaly

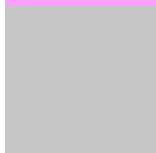
63.2205, 52.5576, 69.0999

Monochromacy



Original Color

69.8618, 52.8495, 101.1266



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

58.7504, 54.5641, 74.4533

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.8618, 52.8495, 101.1266 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(249, 161, 255)` looks like.

```
.text, #text, p{  
    color:rgb(249, 161, 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(249, 161, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 161, 255) }
```

Border

The CSS property to change the border of an element to XYZ 69.8618, 52.8495, 101.1266 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(249, 161, 255) }
```


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

```
.border{ border-color:rgb(249, 161, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 161, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(249, 161, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(249, 161, 255); box-shadow:4px 4px 4px 4px rgb(249, 161, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 69.8618, 52.8495, 101.1266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 161, 255) }
```

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

```
.background{ background-color: rgb(249,  
161, 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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