

Converting Colors

XYZ(87.8396, 60.2982,
197.6607)

Have a look what the booklet for
XYZ(87.8396, 60.2982, 197.6607)
contains.

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Color

**XYZ(69.3281, 52.8348,
101.1519)**

Conversions

Conversions Part 1

Format	Color
Hex	F7A2FF
RGB	247, 162, 255
RGB Percent	97%, 64%, 100%
CMY	0.0314, 0.3647, 0.0000
CMYK	0.03, 0.36, 0.00, 0.00
HSL	295°, 100%, 82%
HSV	295°, 36%, 100%
XYZ	69.3281, 52.8348, 101.1519
YIQ	198.0170, 20.8070, 46.9430

Conversions

Conversions Part 2

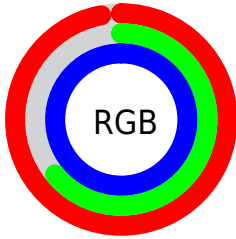
Format	Color
R _Y B	247, 162, 255
Decimal	16229119
CIE Lab	77.78, 45.87, -33.46
CIE LCh	78, 56.781, 323.888
Yxy	52.8348, 0.3105, 0.2366
Android (android.graphics.Color)	4294419199 (0xFF7A2FF)
YUV	198.0170, 28.0926, 42.9581
Hunter-Lab	72.6876, 43.0469, -31.6266

Details

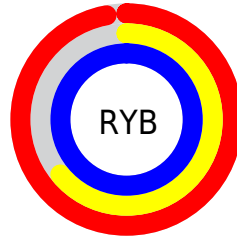
The XYZ color **69.3281, 52.8348, 101.1519** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **58.8604, 82.6753, 47.0406**, and the grayscale version is **53.5142, 56.3011, 61.3119**.

A 20% lighter version of the original color is **84.3614, 78.6228, 105.3371**, and **36.5419, 25.6212, 56.4455** is the 20% darker color. If you saturate the color by 10%, you get **64.5150, 44.3491, 99.7677**, and if you desaturate by 10%, it is **75.0642, 63.1511, 102.8408**.

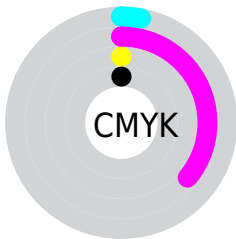
Distribution



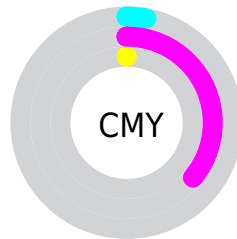
- Red (97%)
- Green (64%)
- Blue (100%)



- Red (97%)
- Yellow (64%)
- Blue (100%)



- Cyan (3%)
- Magenta (36%)
- Yellow (0%)
- Black (0%)





- Cyan (3%)
- Magenta (36%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 69.3281, 52.8348, 101.1519 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 69.3281, 52.8348, 101.1519 by changing the saturation by 10% instead.


 69.3281, 52.8348,
101.1519

 69.3281, 52.8348,
101.1519


447.4906,
397.6510, 585.1577

 51.2566, 37.6709,
76.6407

 117.2816, 94.3612,
164.8049

 36.6347, 25.7274,
56.4482


 147.8943,
121.4926, 204.7838

 25.0972, 16.6198,
40.1560

183.4180,
153.3818, 250.7556

 16.2786, 9.9638,
27.3455

224.2182,
190.4134, 303.1388

 9.8136, 5.3750,
17.5981

270.6602,
232.9717, 362.3522

 5.3369, 2.4689,
10.4954

323.1094,

 2.4830, 0.8610,

281.4412, 428.8140

5.6188

381.9311,
336.2061, 502.9430

■ 0.8867, 0.0000,
2.5497

■ 0.0000, 0.0000,
0.8663

■ 69.3281, 52.8348,
101.1519

■ 69.3281, 52.8348,
101.1519

■ 64.5150, 44.3491,
99.7677

■ 75.0642, 63.1511,
102.8408

■ 60.5646, 37.5764,
98.6686

■ 81.7693, 75.3926,
104.8503

■ 57.4172, 32.3961,
97.8346

■ 89.4919, 89.6557,
107.1963

■ 55.0030, 28.6691,
97.2425

95.0500, 100.0000,
108.9000

■ 53.2406, 26.2322,
96.8650

■ 52.0278, 24.8813,
96.6681

■ 51.6766, 24.5551,
96.6237

Harmonies

Analogous

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



59.2845, 52.8348, 132.6435



69.3281, 52.8348, 101.1519



74.3362, 52.8348, 64.2255

Triad

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



69.3281, 52.8348, 101.1519



52.5050, 52.8348, 15.8582



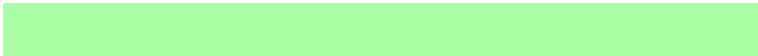
33.2469, 52.8348, 85.7273

Complementary

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



69.3281, 52.8348, 101.1519



58.8604, 82.6753, 47.0406

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.



31.9777, 52.8348, 51.3133



69.3281, 52.8348, 101.1519



42.1263, 52.8348, 18.0011

Square

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



69.3281, 52.8348, 101.1519



63.7516, 52.8348, 21.1422



34.9880, 52.8348, 28.6908



38.7494, 52.8348, 121.6966

Rectangle

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



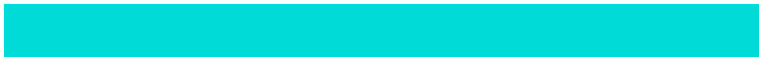
69.3281, 52.8348, 101.1519



73.6908, 52.8348, 44.1724



34.9880, 52.8348, 28.6908



32.3480, 52.8348, 73.3363

Sweetspot

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



69.3297, 52.8370, 101.1522



85.8634, 82.9361, 106.0905



47.5719, 44.1431, 100.6209



18.1549, 17.3392, 22.6399



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.



69.3297, 52.8370, 101.1522



65.6209, 46.2804, 100.0822



66.7903, 52.1542, 72.7405



18.6295, 18.2163, 22.7842



27.0661, 12.8636, 50.4910



2.6788, 1.2749, 4.9182

Inverse Universe

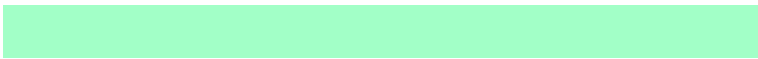
The Inverse Universe completely reimagines the original color for something new.



61.4173, 50.0050, 44.4468



56.7369, 43.1267, 35.2333



60.9938, 83.3349, 67.0272



18.0728, 18.0124, 19.0005



21.6457, 11.1476, 1.5188



2.1282, 1.0936, 0.2564

Previews

White Background



This preview shows how the XYZ color 69.3281, 52.8348, 101.1519 looks on a white background.

Color Contrast Check

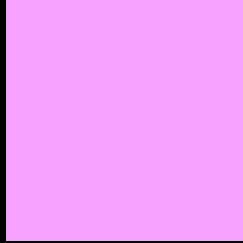
Large Text (above 18pt) WCAG AA × Fail

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 69.3281, 52.8348, 101.1519 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 69.3281, 52.8348, 101.1519

Background



This preview shows how black text looks on a background with the XYZ color 69.3281, 52.8348, 101.1519.



This preview shows how white text looks on a background with the XYZ color 69.3281, 52.8348,

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

69.3281, 52.8348, 101.1519

Protanopia

54.1364, 53.4803, 102.0772

Deuteranopia

54.5090, 53.1211, 97.8229



Tritanopia

59.9705, 52.9019, 55.1944

Trichromacy



Original Color

69.3281, 52.8348, 101.1519



Protanomaly

58.4587, 52.2800, 101.6177



Deuteranomaly

58.8676, 52.2476, 99.0776

Tritanomaly

62.8488, 52.6307, 69.7970

Monochromacy



Original Color

69.3281, 52.8348, 101.1519



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

58.4540, 54.4113, 74.4394

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.3281, 52.8348, 101.1519 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, 162, 255)` looks like.

```
.text, #text, p{  
    color:rgb(247, 162, 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(247, 162, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 162, 255) }
```

Border

The CSS property to change the border of an element to XYZ 69.3281, 52.8348, 101.1519 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, 162, 255) }
```


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

```
.border{ border-color:rgb(247, 162, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 162, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 162, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 162, 255);  
box-shadow:4px 4px 4px 4px rgb(247, 162,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 69.3281, 52.8348, 101.1519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 162, 255) }
```

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

```
.background{ background-color: rgb(247,  
162, 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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