

Converting Colors

XYZ(81.7418, 56.9895,
165.8342)

Have a look what the booklet for
XYZ(81.7418, 56.9895, 165.8342)
contains.

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Color

**XYZ(69.5151, 52.1560,
101.0110)**

Conversions

Conversions Part 1

Format	Color
Hex	F99FFF
RGB	249, 159, 255
RGB Percent	98%, 62%, 100%
CMY	0.0235, 0.3764, 0.0000
CMYK	0.02, 0.38, 0.00, 0.00
HSL	296°, 100%, 81%
HSV	296°, 38%, 100%
XYZ	69.5151, 52.1560, 101.0110
YIQ	196.8540, 22.8240, 48.9360

Conversions

Conversions Part 2

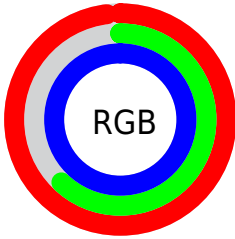
Format	Color
R _Y B	249, 159, 255
Decimal	16359423
CIE _{Lab}	77.37, 48.01, -34.07
CIE _{LCh}	77, 58.873, 324.642
Yxy	52.1560, 0.3122, 0.2342
Android (android.graphics.Color)	4294549503 (0xFFFF99FFF)
YUV	196.8540, 28.6660, 45.7320
Hunter-Lab	72.2191, 45.4332, -32.3740

Details

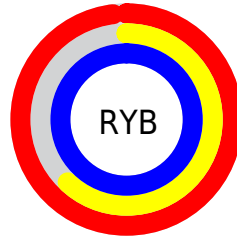
The XYZ color **69.5151, 52.1560, 101.0110** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **57.5362, 82.0231, 45.6029**, and the grayscale version is **52.8073, 55.5574, 60.5020**.

A 20% lighter version of the original color is **83.5904, 77.0809, 105.0801**, and **36.7305, 25.2567, 56.3652** is the 20% darker color. If you saturate the color by 10%, you get **65.0089, 43.9823, 99.6708**, and if you desaturate by 10%, it is **74.9337, 62.1455, 102.6536**.

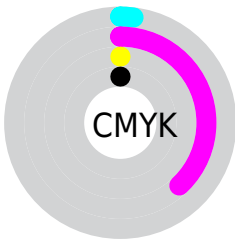
Distribution



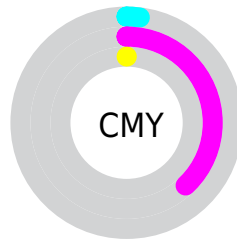
- Red (98%)
- Green (62%)
- Blue (100%)



- Red (98%)
- Yellow (62%)
- Blue (100%)



- Cyan (2%)
- Magenta (38%)
- Yellow (0%)
- Black (0%)





- Cyan (2%)
- Magenta (38%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.5151, 52.1560, 101.0110 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 69.5151, 52.1560, 101.0110 by changing the saturation by 10% instead.


 69.5151, 52.1560,
101.0110


 69.5151, 52.1560,
101.0110


448.1386,
395.0386, 584.7035

 51.4095, 37.1294,
76.5236

 117.5470, 93.3613,
164.6098

 36.7570, 25.3077,
56.3527

 148.2041,
120.3088, 204.5583

 25.1922, 16.3065,
40.0799


183.7756,
151.9987, 250.4974

 16.3498, 9.7413,
27.2866

224.6271,
188.8154, 302.8459

 9.8644, 5.2278,
17.5542

271.1237,
231.1434, 362.0222

 5.3707, 2.3815,
10.4643

323.6310,

 2.5034, 0.8164,

279.3670, 428.4449

5.5983

382.5141,
333.8706, 502.5325

■ 0.8970, 0.0000,
2.5376

■ 0.0000, 0.0000,
0.8600

■ 69.5151, 52.1560,
101.0110

■ 69.5151, 52.1560,
101.0110

■ 65.0089, 43.9823,
99.6708

■ 74.9337, 62.1455,
102.6536

■ 61.3544, 37.5057,
98.6133

■ 81.3111, 74.0465,
104.6146

■ 58.4909, 32.6039,
97.8181

■ 88.6965, 87.9562,
106.9102

■ 56.3475, 29.1355,
97.2616

95.0500, 100.0000,
108.9000

■ 54.8410, 26.9336,
96.9160

■ 53.8612, 25.7781,
96.7446

■ 53.6692, 25.5824,
96.7169

Harmonies

Analogous

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



59.2074, 52.1560, 134.3267



69.5151, 52.1560, 101.0110



74.5395, 52.1560, 62.8081

Triad

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



69.5151, 52.1560, 101.0110



51.6321, 52.1560, 14.6027



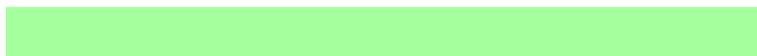
32.3120, 52.1560, 86.9276

Complementary

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



69.5151, 52.1560, 101.0110



57.5362, 82.0231, 45.6029

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.



30.9148, 52.1560, 51.1673



69.5151, 52.1560, 101.0110



41.0444, 52.1560, 16.8976

Square

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



69.5151, 52.1560, 101.0110



63.2574, 52.1560, 19.6256



33.8634, 52.1560, 27.8268



38.0193, 52.1560, 124.2604

Rectangle

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



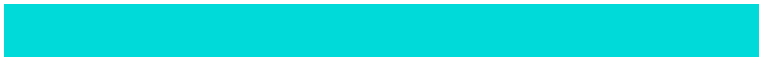
69.5151, 52.1560, 101.0110



73.7400, 52.1560, 42.4515



33.8634, 52.1560, 27.8268



31.3632, 52.1560, 74.0380

Sweetspot

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



69.5167, 52.1582, 101.0114



86.1035, 83.0599, 106.1018



45.8775, 41.6481, 100.2286



18.2125, 17.3689, 22.6426



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.



69.5167, 52.1582, 101.0114



66.1158, 45.9747, 99.9971



65.7005, 50.8827, 69.5774



18.6740, 18.2392, 22.7862



28.0914, 13.3921, 50.5389



2.7677, 1.3207, 4.9223

Inverse Universe

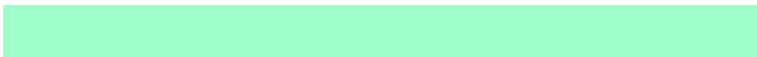
The Inverse Universe completely reimagines the original color for something new.



60.4309, 48.7749, 41.8284



55.9541, 42.2091, 32.9749



60.5551, 83.0899, 67.8602



18.0554, 18.0055, 18.9089



21.6148, 11.1352, 1.3563



2.1200, 1.0904, 0.2131

Previews

White Background



This preview shows how the XYZ color 69.5151, 52.1560, 101.0110 looks on a white background.

Color Contrast Check

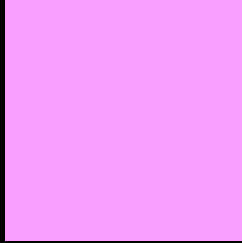
Large Text (above 18pt) WCAG AA × Fail

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 69.5151, 52.1560, 101.0110 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

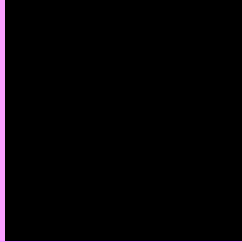
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.5151, 52.1560, 101.0110

Background



This preview shows how black text looks on a background with the XYZ color 69.5151, 52.1560, 101.0110.



This preview shows how white text looks on a background with the XYZ color 69.5151, 52.1560,

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

69.5151, 52.1560, 101.0110

Protanopia

53.2609, 52.3858, 101.9121

Deuteranopia

53.8289, 52.4523, 97.7297



Tritanopia

59.8484, 52.0003, 53.8964

Trichromacy



Original Color

69.5151, 52.1560, 101.0110



Protanomaly

57.7898, 51.3401, 101.4715



Deuteranomaly

58.1947, 51.3099, 98.9321

Tritanomaly

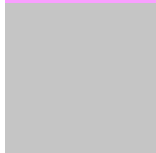
62.8484, 51.8134, 68.9759

Monochromacy



Original Color

69.5151, 52.1560, 101.0110



Achromatopsia

53.0703, 55.8340, 60.8033



Achromatomaly

57.9073, 53.5279, 73.6095

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.5151, 52.1560, 101.0110 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, 159, 255)` looks like.

```
.text, #text, p{  
    color:rgb(249, 159, 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, 159, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 159, 255) }
```

Border

The CSS property to change the border of an element to XYZ 69.5151, 52.1560, 101.0110 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, 159, 255) }
```


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

```
.border{ border-color:rgb(249, 159, 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, 159, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 159, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 159, 255);  
box-shadow:4px 4px 4px 4px rgb(249, 159,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 69.5151, 52.1560, 101.0110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 159, 255) }
```

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

```
.background{ background-color: rgb(249,  
159, 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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