

Converting Colors

XYZ(93.6876, 64.7992,
216.2632)

Have a look what the booklet for
XYZ(93.6876, 64.7992, 216.2632)
contains.

| | |
|--|----|
| XYZ(72.0216, 56.1052, 101.6412) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 28 |
| <i>CSS Examples</i> | 31 |

Color

**XYZ(72.0216, 56.1052,
101.6412)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | FBA9FF |
| RGB | 251, 169, 255 |
| RGB Percent | 98%, 66%, 100% |
| CMY | 0.0157, 0.3372, 0.0000 |
| CMYK | 0.02, 0.34, 0.00, 0.00 |
| HSL | 297°, 100%, 83% |
| HSV | 297°, 34%, 100% |
| XYZ | 72.0216, 56.1052, 101.6412 |
| YIQ | 203.3220, 21.2660, 44.1300 |

Conversions

Conversions Part 2

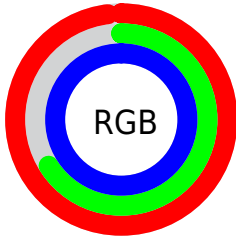
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 251, 169, 255 |
| Decimal | 16493055 |
| CIE Lab | 79.67, 43.45, -30.51 |
| CIE LCh | 80, 53.094, 324.926 |
| Yxy | 56.1052, 0.3135, 0.2442 |
| Android (android.graphics.Color) | 4294683135 (0xFFFBA9FF) |
| YUV | 203.3220, 25.4773, 41.8136 |
| Hunter-Lab | 74.9034, 40.5515, -28.0220 |

Details

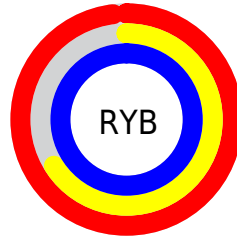
The XYZ color **72.0216, 56.1052, 101.6412** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **60.1565, 83.2695, 50.4410**, and the grayscale version is **56.8041, 59.7624, 65.0812**.

A 20% lighter version of the original color is **86.2152, 82.3304, 105.9551**, and **38.3161, 27.6761, 56.7486** is the 20% darker color. If you saturate the color by 10%, you get **67.3070, 47.3071, 100.1915**, and if you desaturate by 10%, it is **77.6673, 66.7595, 103.4001**.

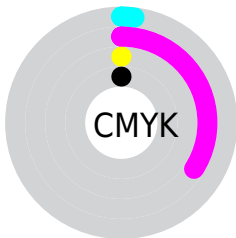
Distribution



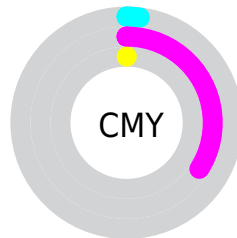
- Red (98%)
- Green (66%)
- Blue (100%)



- Red (98%)
- Yellow (66%)
- Blue (100%)



- Cyan (2%)
- Magenta (34%)
- Yellow (0%)
- Black (0%)



- Cyan (2%)
- Magenta (34%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.0216, 56.1052, 101.6412 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 72.0216, 56.1052, 101.6412 by changing the saturation by 10% instead.

72.0216, 56.1052,
101.6412

72.0216, 56.1052,
101.6412

456.7732,
410.0878, 586.7334

53.4618, 40.2873,
77.0474

121.0979, 99.1584,
165.4822

38.4005, 27.7626,
56.7800

152.3451,
127.1624, 205.5666

26.4723, 18.1468,
40.4204

188.5522,
159.9973, 251.6514

17.3119, 11.0554,
27.5502

230.0845,
198.0474, 304.1554

10.5538, 6.1041,
17.7508

277.3075,
241.6971, 363.4971

5.8327, 2.9085,
10.6036

330.5863,

2.7833, 1.0841,

291.3308, 430.0949

5.6902

390.2864,
347.3329, 504.3675

■ 1.0402, 0.0000,
2.5919

■ 0.0000, 0.0000,
0.8883

■ 72.0216, 56.1052,
101.6412

■ 72.0216, 56.1052,
101.6412

■ 67.3070, 47.3071,
100.1915

■ 77.6673, 66.7595,
103.4001

■ 63.4643, 40.2501,
99.0318

■ 84.2886, 79.3621,
105.4837

■ 60.4359, 34.8173,
98.1428

■ 91.9334, 94.0076,
107.9076

■ 58.1544, 30.8747,
97.5021

95.0500, 100.0000,
108.9000

■ 56.5423, 28.2667,
97.0837

■ 55.5046, 26.8037,
96.8560

■ 55.0616, 26.3002,
96.7821

Harmonies

Analogous

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



62.4864, 56.1052, 131.7155



72.0216, 56.1052, 101.6412



76.5860, 56.1052, 66.4558

Triad

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



72.0216, 56.1052, 101.6412



55.1687, 56.1052, 19.1569



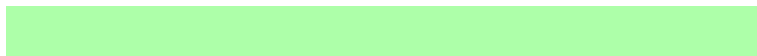
36.7439, 56.1052, 89.4743

Complementary

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



72.0216, 56.1052, 101.6412



60.1565, 83.2695, 50.4410

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.



35.3287, 56.1052, 56.0193



72.0216, 56.1052, 101.6412



45.1082, 56.1052, 21.6906

Square

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



72.0216, 56.1052, 101.6412



66.0592, 56.1052, 24.4130



38.1834, 56.1052, 33.0755



42.3447, 56.1052, 123.1991

Rectangle

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



72.0216, 56.1052, 101.6412



75.8068, 56.1052, 47.1201



38.1834, 56.1052, 33.0755



35.7976, 56.1052, 77.5772

Sweetspot

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



72.0233, 56.1076, 101.6415



87.0130, 84.5715, 106.3456



49.4156, 45.6601, 100.8165



18.4006, 17.6737, 22.6915



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.



72.0233, 56.1076, 101.6415



68.9579, 50.3740, 100.6964



67.8629, 54.6116, 72.1354



18.7043, 18.2548, 22.7877



28.8075, 13.7613, 50.5725



2.8296, 1.3526, 4.9252

Inverse Universe

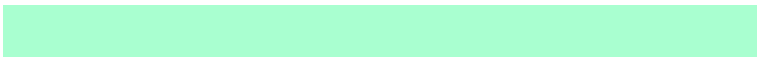
The Inverse Universe completely reimagines the original color for something new.



62.9723, 52.6554, 46.3818



58.7807, 46.5022, 38.1095



63.4721, 84.4951, 72.4471



18.0436, 18.0008, 18.8468



21.5975, 11.1283, 1.2650



2.1144, 1.0881, 0.1837

Previews

White Background



This preview shows how the XYZ color 72.0216, 56.1052, 101.6412 looks on a white background.

Color Contrast Check

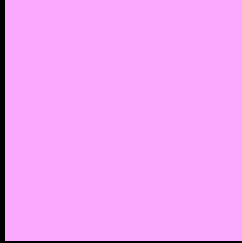
Large Text (above 18pt) WCAG AA × Fail

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 72.0216, 56.1052, 101.6412 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

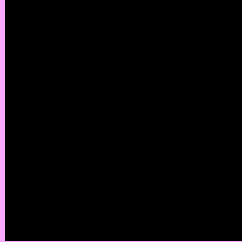
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 72.0216, 56.1052, 101.6412

Background



This preview shows how black text looks on a background with the XYZ color 72.0216, 56.1052, 101.6412.

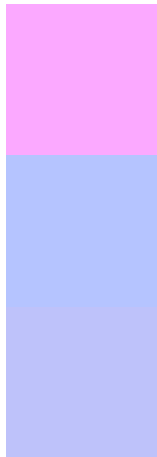


This preview shows how white text looks on a background with the XYZ color 72.0216, 56.1052,

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

72.0216, 56.1052, 101.6412

Protanopia

56.8460, 56.5236, 102.5218

Deuteranopia

57.7823, 56.4329, 98.2897



Tritanopia

63.3363, 56.0426, 59.1089

Trichromacy



Original Color

72.0216, 56.1052, 101.6412



Protanomaly

61.0625, 55.4596, 102.0942



Deuteranomaly

62.0710, 55.7232, 99.5796



Tritanomaly

66.2526, 56.0469, 72.9719

Monochromacy



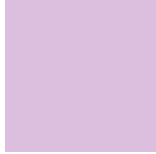
Original Color

72.0216, 56.1052, 101.6412



Achromatopsia

56.7640, 59.7202, 65.0353



Achromatomaly

61.3308, 57.7512, 77.0218

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.0216, 56.1052, 101.6412 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(251, 169, 255)` looks like.

```
.text, #text, p{  
    color:rgb(251, 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(251, 169, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 169, 255) }
```

Border

The CSS property to change the border of an element to XYZ 72.0216, 56.1052, 101.6412 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(251, 169, 255) }
```


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

```
.border{ border-color:rgb(251, 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(251, 169, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 169, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 169, 255);  
box-shadow:4px 4px 4px 4px rgb(251, 169,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 72.0216, 56.1052, 101.6412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 169, 255) }
```

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

```
.background{ background-color: rgb(251,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor