

Converting Colors

XYZ(72.4039, 54.7083,
100.4010)

Have a look what the booklet for
XYZ(72.4039, 54.7083, 100.4010)
contains.

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Color

**XYZ(72.2266, 54.6101,
100.5000)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA3FE
RGB	255, 163, 254
RGB Percent	100%, 64%, 100%
CMY	0.0000, 0.3608, 0.0039
CMYK	0.00, 0.36, 0.00, 0.00
HSL	301°, 100%, 82%
HSV	301°, 36%, 100%
XYZ	72.2266, 54.6101, 100.5000
YIQ	200.8820, 25.6210, 47.8050

Conversions

Conversions Part 2

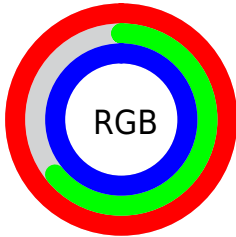
Format	Color
R _Y B	255, 163, 254
Decimal	16753662
CIE _{Lab}	78.82, 47.58, -31.25
CIE _{LCh}	79, 56.927, 326.701
Yxy	54.6101, 0.3177, 0.2402
Android (android.graphics.Color)	4294943742 (0xFFFFA3FE)
YUV	200.8820, 26.1872, 47.4615
Hunter-Lab	73.8986, 45.1386, -28.9036

Details

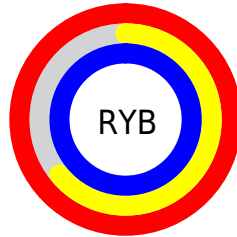
The XYZ color **72.2266, 54.6101, 100.5000** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **57.5667, 81.9876, 47.9153**, and the grayscale version is **55.2774, 58.1561, 63.3320**.

A 20% lighter version of the original color is **84.6215, 79.1430, 105.4238**, and **38.5726, 26.8388, 55.9707** is the 20% darker color. If you saturate the color by 10%, you get **68.1029, 46.4335, 98.9075**, and if you desaturate by 10%, it is **77.2654, 64.6164, 102.3993**.

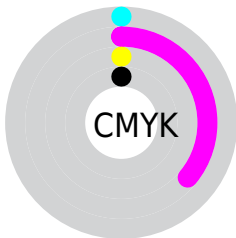
Distribution



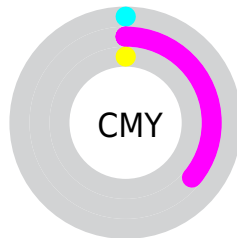
- Red (100%)
- Green (64%)
- Blue (100%)



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



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.2266, 54.6101, 100.5000 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 72.2266, 54.6101, 100.5000 by changing the saturation by 10% instead.


 72.2266, 54.6101,
100.5000


 72.2266, 54.6101,
100.5000


457.4753,
404.4323, 583.0549

 53.6299, 39.0896,
76.0990


 121.3877, 96.9695,
163.9020

 38.5354, 26.8295,
56.0065


 152.6828,
124.5771, 203.7400

 26.5776, 17.4452,
39.8041


188.9415,
156.9827, 249.5608

 17.3912, 10.5524,
27.0732

230.5291,
194.5705, 301.7829

 10.6108, 5.7667,
17.3953

277.8109,
237.7250, 360.8248

 5.8711, 2.7038,
10.3518

331.1523,

 2.8068, 0.9791,

286.8305, 427.1051

5.5242

390.9187,
342.2715, 501.0423

■ 1.0524, 0.0000,
2.4939

■ 0.0000, 0.0000,
0.8369

■ 72.2266, 54.6101,
100.5000

■ 72.2266, 54.6101,
100.5000

■ 68.1029, 46.4335,
98.9075

■ 77.2654, 64.6164,
102.3993

■ 64.8357, 39.9700,
97.6001

■ 83.2664, 76.5473,
104.6189

■ 62.3651, 35.0993,
96.5586

■ 90.2776, 90.4986,
107.1756

■ 60.6217, 31.6831,
95.7597

95.0500, 100.0000,
108.9000

■ 59.5246, 29.5594,
95.1766

■ 58.9731, 28.5270,
94.7757

■ 58.8473, 28.3029,
94.6487

Harmonies

Analogous

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



62.2740, 54.6101, 134.0097



72.2266, 54.6101, 100.5000



76.7101, 54.6101, 63.1079

Triad

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



72.2266, 54.6101, 100.5000



53.1635, 54.6101, 16.5071



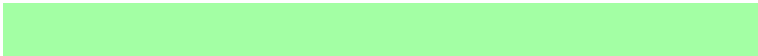
34.8395, 54.6101, 91.9683

Complementary

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



72.2266, 54.6101, 100.5000



57.5667, 81.9876, 47.9153

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.



33.1229, 54.6101, 55.9576



72.2266, 54.6101, 100.5000



42.7565, 54.6101, 19.4406

Square

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



72.2266, 54.6101, 100.5000



64.7470, 54.6101, 21.1869



35.8051, 54.6101, 31.4621



40.8847, 54.6101, 127.9584

Rectangle

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



72.2266, 54.6101, 100.5000



75.5752, 54.6101, 43.3365



35.8051, 54.6101, 31.4621



33.7787, 54.6101, 79.1586

Sweetspot

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



72.2277, 54.6122, 100.5011



86.6964, 83.3712, 105.8737



46.2536, 41.2035, 100.1230



18.3550, 17.4437, 22.5877



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.



72.2277, 54.6122, 100.5011



69.2778, 48.7615, 99.3664



65.8471, 52.0599, 66.9015



18.7837, 18.2968, 22.7441



30.7529, 14.7905, 49.4767



2.9969, 1.4412, 4.8313

Inverse Universe

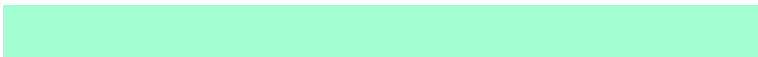
The Inverse Universe completely reimagines the original color for something new.



72.2277, 54.6122, 100.5011



69.2778, 48.7615, 99.3664



62.3744, 83.9107, 73.2323



18.7837, 18.2968, 22.7441



30.7529, 14.7905, 49.4767



2.9969, 1.4412, 4.8313

Previews

White Background



This preview shows how the XYZ color 72.2266, 54.6101, 100.5000 looks on a white background.

Color Contrast Check

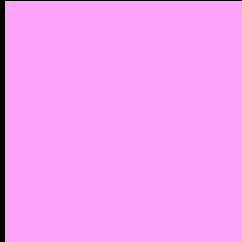
Large Text (above 18pt) WCAG AA × Fail

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 72.2266, 54.6101, 100.5000 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

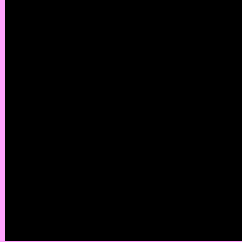
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 72.2266, 54.6101, 100.5000

Background



This preview shows how black text looks on a background with the XYZ color 72.2266, 54.6101, 100.5000.



This preview shows how white text looks on a background with the XYZ color 72.2266, 54.6101,

100.5000.

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

72.2266, 54.6101, 100.5000

Protanopia

55.4801, 54.8249, 102.2659

Deuteranopia

56.4420, 55.1036, 97.2838



Tritanopia

63.1774, 54.5425, 55.9131

Trichromacy



Original Color

72.2266, 54.6101, 100.5000



Protanomaly

60.2315, 53.7977, 101.8172



Deuteranomaly

61.0878, 54.0098, 98.4720



Tritanomaly

65.9975, 54.2539, 69.9444

Monochromacy



Original Color

72.2266, 54.6101, 100.5000



Achromatopsia

55.5167, 58.4078, 63.6061



Achromatomaly

60.5074, 56.0801, 75.3456

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.2266, 54.6101, 100.5000 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(255, 163, 254)` looks like.

```
.text, #text, p{  
    color:rgb(255, 163, 254)  
}
```

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(255, 163, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 163, 254) }
```

Border

The CSS property to change the border of an element to XYZ 72.2266, 54.6101, 100.5000 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(255, 163, 254) }
```


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

```
.border{ border-color:rgb(255, 163, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 163, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 163, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 163, 254);  
box-shadow:4px 4px 4px 4px rgb(255, 163,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 72.2266, 54.6101, 100.5000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 163, 254) }
```

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

```
.background{ background-color: rgb(255,  
163, 254) }
```

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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