

Converting Colors

XYZ(98.0335, 68.9620, 97.6197)

Have a look what the booklet for
XYZ(98.0335, 68.9620, 97.6197)
contains.

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Color

**XYZ(72.1576, 55.7370,
96.5777)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA7F9
RGB	255, 167, 249
RGB Percent	100%, 65%, 98%
CMY	0.0000, 0.3451, 0.0235
CMYK	0.00, 0.35, 0.02, 0.00
HSL	304°, 100%, 83%
HSV	304°, 35%, 100%
XYZ	72.1576, 55.7370, 96.5777
YIQ	202.6600, 26.1260, 44.1580

Conversions

Conversions Part 2

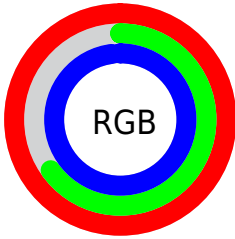
Format	Color
R _Y B	255, 167, 249
Decimal	16754681
CIE Lab	79.46, 44.64, -27.57
CIE LCh	79, 52.470, 328.302
Yxy	55.7370, 0.3215, 0.2483
Android (android.graphics.Color)	4294944761 (0xFFFFA7F9)
YUV	202.6600, 22.8456, 45.9022
Hunter-Lab	74.6572, 41.8735, -24.4384

Details

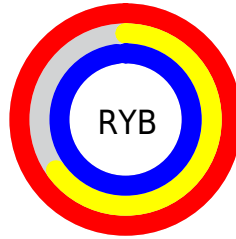
The XYZ color **72.1576, 55.7370, 96.5777** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **59.2409, 82.7534, 52.3883**, and the grayscale version is **56.4028, 59.3402, 64.6215**.

A 20% lighter version of the original color is **85.6777, 81.2554, 105.7759**, and **38.4455, 27.4863, 53.1483** is the 20% darker color. If you saturate the color by 10%, you get **67.6687, 47.1909, 93.7504**, and if you desaturate by 10%, it is **77.5724, 66.1304, 99.7275**.

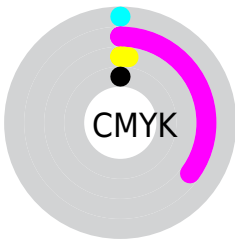
Distribution



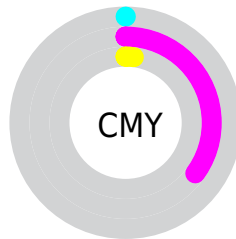
- Red (100%)
- Green (65%)
- Blue (98%)



- Red (100%)
- Yellow (65%)
- Blue (98%)



- Cyan (0%)
- Magenta (35%)
- Yellow (2%)
- Black (0%)





- Cyan (0%)
- Magenta (35%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.1576, 55.7370, 96.5777 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 72.1576, 55.7370, 96.5777 by changing the saturation by 10% instead.


 72.1576, 55.7370,
96.5777


 72.1576, 55.7370,
96.5777


457.2391,
408.6996, 570.3164

 53.5734, 39.9921,
72.8447


 121.2902, 98.6199,
158.4567

 38.4900, 27.5324,
53.3579


 152.5692,
126.5268, 197.4398

 26.5421, 17.9735,
37.6989

188.8105,
159.2564, 242.3434

 17.3645, 10.9309,
25.4491

230.3795,
197.1931, 293.5859

 10.5916, 6.0204,
16.1899

277.6415,
240.7214, 351.5859

 5.8582, 2.8575,
9.5028

330.9618,

 2.7989, 1.0578,

290.2257, 416.7620

4.9693

390.7059,
346.0903, 489.5326

■ 1.0483, 0.0000,
2.1708

■ 0.0000, 0.0000,
0.6575

■ 72.1576, 55.7370,
96.5777

■ 72.1576, 55.7370,
96.5777

■ 67.6687, 47.1909,
93.7504

■ 77.5724, 66.1304,
99.7275

■ 64.0476, 40.3768,
91.2240

■ 83.9595, 78.4645,
103.2130

■ 61.2356, 35.1766,
88.9796

■ 91.3663, 92.8340,
107.0509

■ 59.1647, 31.4549,
86.9945

95.0500, 100.0000,
108.9000

■ 57.7563, 29.0541,
85.2425

■ 56.9136, 27.7808,
83.6913

■ 56.6161, 27.4104,
82.8996

Harmonies

Analogous

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



63.1775, 55.7370, 127.4748



72.1576, 55.7370, 96.5777



75.9249, 55.7370, 62.4238

Triad

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



72.1576, 55.7370, 96.5777



53.5790, 55.7370, 19.1964



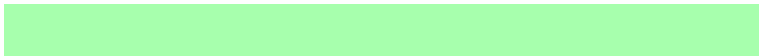
37.0615, 55.7370, 92.5751

Complementary

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



72.1576, 55.7370, 96.5777



59.2409, 82.7534, 52.3883

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.



35.1916, 55.7370, 58.9849



72.1576, 55.7370, 96.5777



43.9370, 55.7370, 22.5877

Square

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



72.1576, 55.7370, 96.5777



64.3541, 55.7370, 23.4891



37.5366, 55.7370, 35.0149



43.0255, 55.7370, 124.6755

Rectangle

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



72.1576, 55.7370, 96.5777



74.6403, 55.7370, 44.2255



37.5366, 55.7370, 35.0149



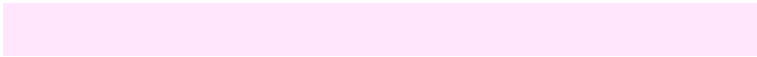
35.9711, 55.7370, 80.8001

Sweetspot

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



72.1588, 55.7392, 96.5788



87.1692, 84.6843, 104.8985



49.0751, 43.7292, 100.4618



18.4388, 17.7012, 22.3384



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.



72.1588, 55.7392, 96.5788



69.1418, 49.9860, 94.7071



66.0957, 53.3140, 64.6511



18.7361, 18.2777, 22.4932



29.6059, 14.3317, 43.4367



2.8981, 1.4016, 4.3106

Inverse Universe

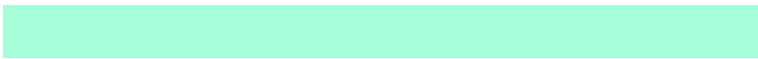
The Inverse Universe completely reimagines the original color for something new.



72.1588, 55.7392, 96.5788



69.1418, 49.9860, 94.7071



64.2050, 84.7391, 78.5288



18.7361, 18.2777, 22.4932



29.6059, 14.3317, 43.4367



2.8981, 1.4016, 4.3106

Previews

White Background



This preview shows how the XYZ color 72.1576, 55.7370, 96.5777 looks on a white background.

Color Contrast Check

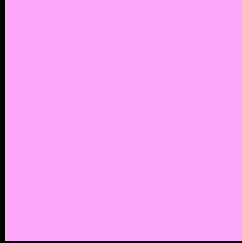
Large Text (above 18pt) WCAG AA × Fail

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 72.1576, 55.7370, 96.5777 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

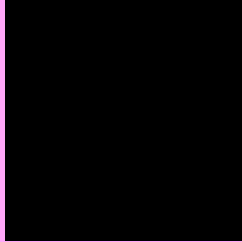
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 72.1576, 55.7370, 96.5777

Background



This preview shows how black text looks on a background with the XYZ color 72.1576, 55.7370, 96.5777.



This preview shows how white text looks on a background with the XYZ color 72.1576, 55.7370,

96.5777.

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

72.1576, 55.7370, 96.5777

Protanopia

56.6212, 56.0740, 102.4468

Deuteranopia

57.3914, 56.0090, 93.3739



Tritanopia

64.1462, 55.6030, 57.2208

Trichromacy



Original Color

72.1576, 55.7370, 96.5777



Protanomaly

61.0910, 55.1997, 100.3633



Deuteranomaly

62.0939, 55.5337, 94.6352



Tritanomaly

66.9300, 55.5854, 70.1523

Monochromacy



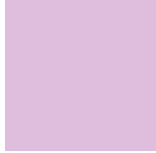
Original Color

72.1576, 55.7370, 96.5777



Achromatopsia

56.7640, 59.7202, 65.0353



Achromatomaly

61.4559, 57.5238, 75.5743

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.1576, 55.7370, 96.5777 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, 167, 249)` looks like.

```
.text, #text, p{  
    color:rgb(255, 167, 249)  
}
```

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, 167, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 167, 249) }
```

Border

The CSS property to change the border of an element to XYZ 72.1576, 55.7370, 96.5777 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, 167, 249) }
```


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

```
.border{ border-color:rgb(255, 167, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 167, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 167, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 167, 249);  
box-shadow:4px 4px 4px 4px rgb(255, 167,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 72.1576, 55.7370, 96.5777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 167, 249) }
```

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

```
.background{ background-color: rgb(255,  
167, 249) }
```

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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