

Converting Colors

XYZ(69.9274, 55.7414,
101.6813)

Have a look what the booklet for
XYZ(69.9274, 55.7414, 101.6813)
contains.

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Color

**XYZ(70.1108, 55.9581,
101.7135)**

Conversions

Conversions Part 1

Format	Color
Hex	F4ACFF
RGB	244, 172, 255
RGB Percent	96%, 67%, 100%
CMY	0.0431, 0.3255, 0.0000
CMYK	0.04, 0.33, 0.00, 0.00
HSL	292°, 100%, 84%
HSV	292°, 33%, 100%
XYZ	70.1108, 55.9581, 101.7135
YIQ	202.9900, 16.2690, 41.0770

Conversions

Conversions Part 2

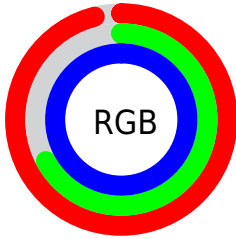
Format	Color
R_{YB}	244, 172, 255
Decimal	16035071
CIE _{Lab}	79.59, 39.75, -30.70
CIE _{LCh}	80, 50.222, 322.317
Yxy	55.9581, 0.3078, 0.2457
Android (android.graphics.Color)	4294225151 (0xFFFF4ACFF)
YUV	202.9900, 25.6409, 35.9658
Hunter-Lab	74.8051, 36.3893, -28.2538

Details

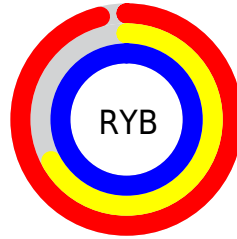
The XYZ color **70.1108, 55.9581, 101.7135** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **62.7360, 84.5664, 52.0487**, and the grayscale version is **56.5970, 59.5444, 64.8439**.

A 20% lighter version of the original color is **87.0334, 83.9668, 106.2278**, and **37.1650, 27.5989, 56.7944** is the 20% darker color. If you saturate the color by 10%, you get **64.5540, 46.5683, 100.1940**, and if you desaturate by 10%, it is **76.6235, 67.2258, 103.5451**.

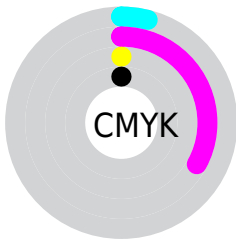
Distribution



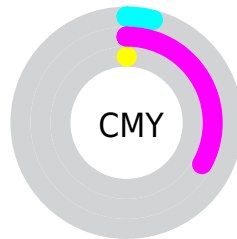
- Red (96%)
- Green (67%)
- Blue (100%)



- Red (96%)
- Yellow (67%)
- Blue (100%)



- Cyan (4%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)





- Cyan (4%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.1108, 55.9581, 101.7135 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 70.1108, 55.9581, 101.7135 by changing the saturation by 10% instead.


 70.1108, 55.9581,
101.7135

 70.1108, 55.9581,
101.7135


450.1993,
409.5336, 586.9660

 51.8968, 40.1693,
77.1075

 118.3922, 98.9433,
165.5823

 37.1468, 27.6706,
56.8290

149.1902,
126.9085, 205.6822

 25.4953, 18.0775,
40.4595


184.9137,
159.7014, 251.7837

 16.5772, 11.0056,
27.5805

225.9279,
197.7062, 304.3056

 10.0269, 6.0706,
17.7734

272.5982,
241.3075, 363.6661

 5.4792, 2.8881,
10.6197

325.2900,

 2.5687, 1.0736,

290.8895, 430.2840

5.7008

384.3685,
346.8368, 504.5778

■ 0.9300, 0.0000,
2.5982

■ 0.0000, 0.0000,
0.8915

■ 70.1108, 55.9581,
101.7135

■ 70.1108, 55.9581,
101.7135

■ 64.5540, 46.5683,
100.1940

■ 76.6235, 67.2258,
103.5451

■ 59.8946, 38.9425,
98.9676

■ 84.1364, 80.4628,
105.7041

■ 56.0752, 32.9653,
98.0152

■ 92.6970, 95.7629,
108.2062

■ 53.0298, 28.5044,
97.3147

95.0500, 100.0000,
108.9000

■ 50.6819, 25.4075,
96.8406

■ 48.9391, 23.4897,
96.5623

■ 47.9326, 22.6250,
96.4485

Harmonies

Analogous

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



60.9189, 55.9581, 128.3466



70.1108, 55.9581, 101.7135



74.8825, 55.9581, 68.6827

Triad

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



70.1108, 55.9581, 101.7135



55.8291, 55.9581, 20.7210



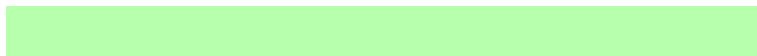
37.1471, 55.9581, 84.6217

Complementary

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



70.1108, 55.9581, 101.7135



62.7360, 84.5664, 52.0487

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.



36.1469, 55.9581, 53.7817



70.1108, 55.9581, 101.7135



46.1377, 55.9581, 22.5621

Square

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



70.1108, 55.9581, 101.7135



65.9831, 55.9581, 26.6239



39.2317, 55.9581, 32.8289



42.1616, 55.9581, 116.4950

Rectangle

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



70.1108, 55.9581, 101.7135



74.5400, 55.9581, 49.8025



39.2317, 55.9581, 32.8289



36.3584, 55.9581, 73.6000

Sweetspot

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



70.1125, 55.9605, 101.7139



86.2156, 84.1605, 106.3083



52.0125, 49.8875, 101.4956



18.2063, 17.5735, 22.6824



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.



70.1125, 55.9605, 101.7139



66.4198, 49.6919, 100.6985



69.5253, 56.1797, 78.1053



18.5420, 18.1711, 22.7801



25.1379, 11.8695, 50.4007



2.5105, 1.1881, 4.9103

Inverse Universe

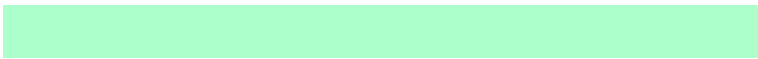
The Inverse Universe completely reimagines the original color for something new.



64.5410, 54.1860, 51.8586



60.1890, 47.7406, 43.4451



63.4868, 84.5762, 69.1272



18.1073, 18.0262, 19.1824



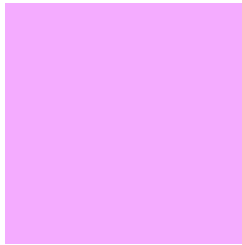
21.7280, 11.1805, 1.9521



2.1444, 1.1001, 0.3419

Previews

White Background



This preview shows how the XYZ color 70.1108, 55.9581, 101.7135 looks on a white background.

Color Contrast Check

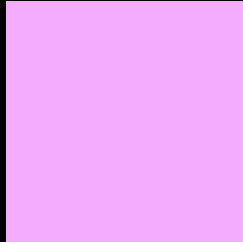
Large Text (above 18pt) WCAG AA × Fail

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 70.1108, 55.9581, 101.7135 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 70.1108, 55.9581, 101.7135

Background



This preview shows how black text looks on a background with the XYZ color 70.1108, 55.9581, 101.7135.



This preview shows how white text looks on a background with the XYZ color 70.1108, 55.9581,

101.7135.

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

70.1108, 55.9581, 101.7135

Protanopia

56.8460, 56.5236, 102.5218

Deuteranopia

57.6906, 56.3674, 99.1062



Tritanopia

61.7186, 55.7771, 60.9392

Trichromacy



Original Color

70.1108, 55.9581, 101.7135



Protanomaly

60.7222, 55.5980, 102.1388



Deuteranomaly

61.4241, 55.7014, 99.6095

Tritanomaly

64.5029, 55.7054, 74.3704

Monochromacy



Original Color

70.1108, 55.9581, 101.7135



Achromatopsia

56.7640, 59.7202, 65.0353



Achromatomaly

60.9479, 57.8786, 77.0666

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.1108, 55.9581, 101.7135 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(244, 172, 255)` looks like.

```
.text, #text, p{  
    color:rgb(244, 172, 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(244, 172, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 172, 255) }
```

Border

The CSS property to change the border of an element to XYZ 70.1108, 55.9581, 101.7135 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(244, 172, 255) }
```


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

```
.border{ border-color:rgb(244, 172, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 172, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 172, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 172, 255);  
box-shadow:4px 4px 4px 4px rgb(244, 172,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 70.1108, 55.9581, 101.7135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 172, 255) }
```

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

```
.background{ background-color: rgb(244,  
172, 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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