

Converting Colors

XYZ(156.7224, 100.0000,
90.4204)

Have a look what the booklet for
XYZ(156.7224, 100.0000, 90.4204)
contains.

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Color

**XYZ(70.5683, 55.6921,
86.3872)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA9EC
RGB	255, 169, 236
RGB Percent	100%, 66%, 93%
CMY	0.0000, 0.3372, 0.0745
CMYK	0.00, 0.34, 0.07, 0.00
HSL	313°, 100%, 83%
HSV	313°, 34%, 100%
XYZ	70.5683, 55.6921, 86.3872
YIQ	202.3520, 29.7490, 39.0690

Conversions

Conversions Part 2

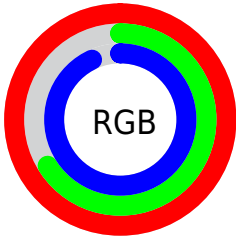
Format	Color
RYB	255, 169, 236
Decimal	16755180
CIELab	79.44, 41.38, -20.60
CIELCh	79, 46.225, 333.532
Yxy	55.6921, 0.3319, 0.2619
Android (android.graphics.Color)	4294945260 (0xFFFFA9EC)
YUV	202.3520, 16.5885, 46.1723
Hunter-Lab	74.6271, 38.1942, -16.3942

Details

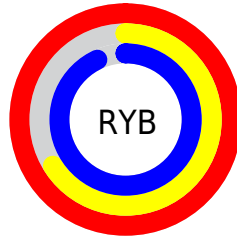
The XYZ color **70.5683, 55.6921, 86.3872** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **61.2011, 83.5867, 60.4880**, and the grayscale version is **56.2467, 59.1759, 64.4426**.

A 20% lighter version of the original color is **86.2152, 82.3304, 105.9551**, and **37.3949, 27.4271, 46.5030** is the 20% darker color. If you saturate the color by 10%, you get **65.4732, 46.7910, 80.7143**, and if you desaturate by 10%, it is **76.6168, 66.4581, 92.5067**.

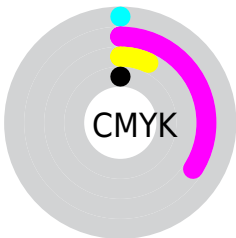
Distribution



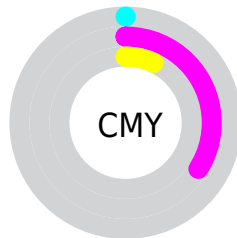
- Red (100%)
- Green (66%)
- Blue (93%)



- Red (100%)
- Yellow (66%)
- Blue (93%)



- Cyan (0%)
- Magenta (34%)
- Yellow (7%)
- Black (0%)




- Cyan (0%)
- Magenta (34%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.5683, 55.6921, 86.3872 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 70.5683, 55.6921, 86.3872 by changing the saturation by 10% instead.


 70.5683, 55.6921,
86.3872


 70.5683, 55.6921,
86.3872


451.7782,
408.5301, 536.4709


 52.2712, 39.9561,
64.4315


 119.0407, 98.5543,
144.2010


 37.4465, 27.5043,
46.5518


 149.9467,
126.4492, 180.8962


 25.7286, 17.9523,
32.3297


 185.7865,
159.1659, 223.3416

 16.7523, 10.9158,
21.3465

 226.9253,
197.0889, 271.9558

 10.1523, 6.0102,
13.1838

 273.7285,
240.6023, 327.1572

 5.5631, 2.8513,
7.4230

326.5615,

 2.6194, 1.0546,

290.0908, 389.3646

3.6456

385.7896,
345.9386, 458.9963

■ 0.9558, 0.0000,
1.4330

■ 0.0000, 0.0000,
0.1673

■ 70.5683, 55.6921,
86.3872

■ 70.5683, 55.6921,
86.3872

■ 65.4732, 46.7910,
80.7143

■ 76.6168, 66.4581,
92.5067

■ 61.2734, 39.6400,
75.4655

■ 83.6648, 79.1816,
99.0872

■ 57.9104, 34.1220,
70.6206

■ 91.7598, 93.9571,
106.1463

■ 55.3170, 30.1028,
66.1561

95.0500, 100.0000,
108.9000

■ 53.4151, 27.4269,
62.0448

■ 52.1095, 25.9044,
58.2538

■ 51.5096, 25.3678,
56.0089

Harmonies

Analogous

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



63.4155, 55.6921, 113.9931



70.5683, 55.6921, 86.3872



72.8163, 55.6921, 57.5449

Triad

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



70.5683, 55.6921, 86.3872



51.8419, 55.6921, 22.5969



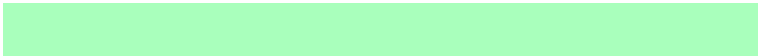
39.4089, 55.6921, 93.4772

Complementary

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



70.5683, 55.6921, 86.3872



61.2011, 83.5867, 60.4880

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.



37.0461, 55.6921, 63.8425



70.5683, 55.6921, 86.3872



43.6756, 55.6921, 27.2365

Square

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



70.5683, 55.6921, 86.3872



61.2917, 55.6921, 25.4313



38.5127, 55.6921, 40.5949



45.3722, 55.6921, 118.8563

Rectangle

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



70.5683, 55.6921, 86.3872



71.0373, 55.6921, 42.4380



38.5127, 55.6921, 40.5949



38.2010, 55.6921, 83.4176

Sweetspot

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



70.5696, 55.6944, 86.3883



86.5539, 84.4382, 101.6586



52.8891, 46.2437, 100.7461



18.2890, 17.6413, 21.5497



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.



70.5696, 55.6944, 86.3883



67.2628, 49.8951, 82.7761



65.0962, 53.5050, 57.5659



18.6108, 18.2276, 21.8335



26.9733, 13.2786, 29.5736



2.6667, 1.3090, 3.0920

Inverse Universe

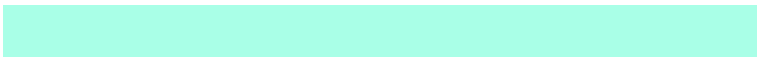
The Inverse Universe completely reimagines the original color for something new.



70.5696, 55.6944, 86.3883



67.2628, 49.8951, 82.7761



66.4958, 85.7046, 88.3693



18.6108, 18.2276, 21.8335



26.9733, 13.2786, 29.5736



2.6667, 1.3090, 3.0920

Previews

White Background



This preview shows how the XYZ color 70.5683, 55.6921, 86.3872 looks on a white background.

Color Contrast Check

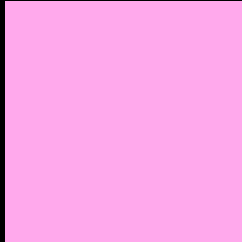
Large Text (above 18pt) WCAG AA × Fail

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 70.5683, 55.6921, 86.3872 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

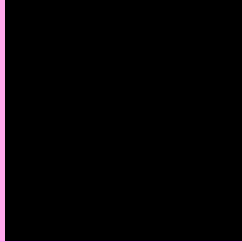
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.5683, 55.6921, 86.3872

Background



This preview shows how black text looks on a background with the XYZ color 70.5683, 55.6921, 86.3872.



This preview shows how white text looks on a background with the XYZ color 70.5683, 55.6921,

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

70.5683, 55.6921, 86.3872

Protanopia

56.6959, 56.1311, 101.6121

Deuteranopia

57.4549, 56.2455, 84.1722



Tritanopia

64.3913, 55.7421, 56.6557

Trichromacy



Original Color

70.5683, 55.6921, 86.3872



Protanomaly

60.6419, 55.3885, 95.4906



Deuteranomaly

61.3637, 55.3798, 84.5460



Tritanomaly

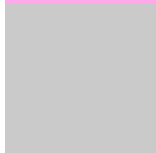
66.3761, 55.6742, 66.2793

Monochromacy



Original Color

70.5683, 55.6921, 86.3872



Achromatopsia

56.1383, 59.0619, 64.3184



Achromatomaly

60.3698, 57.0541, 71.4490

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.5683, 55.6921, 86.3872 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, 169, 236)` looks like.

```
.text, #text, p{  
    color:rgb(255, 169, 236)  
}
```

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, 169, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 169, 236) }
```

Border

The CSS property to change the border of an element to XYZ 70.5683, 55.6921, 86.3872 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, 169, 236) }
```


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

```
.border{ border-color:rgb(255, 169, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 169, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 169, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 169, 236);  
box-shadow:4px 4px 4px 4px rgb(255, 169,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 70.5683, 55.6921, 86.3872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 169, 236) }
```

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

```
.background{ background-color: rgb(255,  
169, 236) }
```

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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