

Converting Colors

XYZ(107.0112, 76.3034,
88.4927)

Have a look what the booklet for
XYZ(107.0112, 76.3034, 88.4927)
contains.

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Color

**XYZ(71.7103, 57.9761,
86.7678)**

Conversions

Conversions Part 1

Format	Color
Hex	FFAFEC
RGB	255, 175, 236
RGB Percent	100%, 69%, 93%
CMY	0.0000, 0.3137, 0.0745
CMYK	0.00, 0.31, 0.07, 0.00
HSL	314°, 100%, 84%
HSV	314°, 31%, 100%
XYZ	71.7103, 57.9761, 86.7678
YIQ	205.8740, 28.0990, 35.9310

Conversions

Conversions Part 2

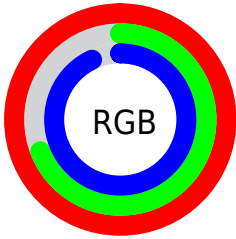
Format	Color
RYB	255, 175, 236
Decimal	16756716
CIELab	80.73, 38.26, -18.65
CIELCh	81, 42.566, 334.008
Yxy	57.9761, 0.3313, 0.2678
Android (android.graphics.Color)	4294946796 (0xFFFFAFEC)
YUV	205.8740, 14.8521, 43.0835
Hunter-Lab	76.1420, 34.8621, -14.2646

Details

The XYZ color **71.7103, 57.9761, 86.7678** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **63.1787, 84.5299, 64.0279**, and the grayscale version is **58.4824, 61.5281, 67.0041**.

A 20% lighter version of the original color is **87.8659, 85.6318, 106.5053**, and **38.1015, 28.8403, 46.7386** is the 20% darker color. If you saturate the color by 10%, you get **66.3428, 48.6254, 80.7111**, and if you desaturate by 10%, it is **78.0473, 69.2176, 93.2964**.

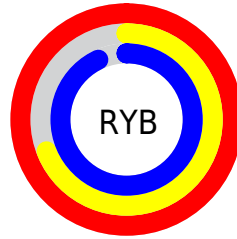
Distribution



Red (100%)

Green (69%)

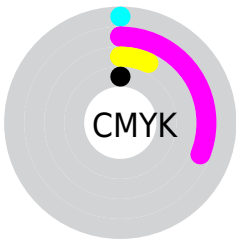
Blue (93%)



Red (100%)

Yellow (69%)

Blue (93%)

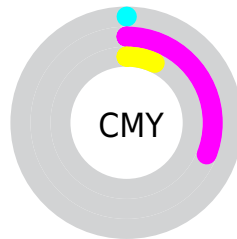


Cyan (0%)

Magenta (31%)

Yellow (7%)

Black (0%)



Cyan (0%)

Magenta (31%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.7103, 57.9761, 86.7678 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 71.7103, 57.9761, 86.7678 by changing the saturation by 10% instead.

71.7103, 57.9761,
86.7678

71.7103, 57.9761,
86.7678

455.7059,
417.0969, 537.7559

53.2067, 41.7894,
64.7445

120.6576,
101.8881, 144.7365

38.1959, 28.9364,
46.8039

151.8320,
130.3821, 181.5189

26.3127, 19.0328,
32.5274

187.9607,
163.7475, 224.0582

17.1916, 11.6939,
21.4965

229.4090,
202.3685, 272.7729

10.4674, 6.5356,
13.2927

276.5423,
246.6295, 328.0815

5.7745, 3.1734,
7.4973

329.7260,

2.7478, 1.2229,

296.9150, 390.4025

3.6919

389.3254,
353.6093, 460.1544

■ 1.0219, 0.0803,
1.4579

■ 0.0000, 0.0000,
0.1863

■ 71.7103, 57.9761,
86.7678

■ 71.7103, 57.9761,
86.7678

■ 66.3428, 48.6254,
80.7111

■ 78.0473, 69.2176,
93.2964

■ 61.8878, 41.0526,
75.1036

■ 85.3989, 82.4404,
100.3111

■ 58.2881, 35.1435,
69.9256

■ 93.8121, 97.7376,
107.8297

■ 55.4783, 30.7680,
65.1537

■ 95.0500, 100.0000,
108.9000

■ 53.3833, 27.7763,
60.7615

■ 51.9130, 25.9884,
56.7173

■ 51.0267, 25.1747,
53.4659

Harmonies

Analogous

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



65.0939, 57.9761, 112.2721



71.7103, 57.9761, 86.7678



73.7143, 57.9761, 59.8075

Triad

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



71.7103, 57.9761, 86.7678



53.9333, 57.9761, 26.1423



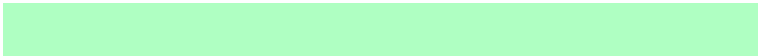
42.2640, 57.9761, 94.2049

Complementary

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



71.7103, 57.9761, 86.7678



63.1787, 84.5299, 64.0279

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.



39.9243, 57.9761, 66.5653



71.7103, 57.9761, 86.7678



46.1933, 57.9761, 30.9365

Square

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



71.7103, 57.9761, 86.7678



62.8372, 57.9761, 28.8836



41.2833, 57.9761, 44.2236



48.0338, 57.9761, 117.3050

Rectangle

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



71.7103, 57.9761, 86.7678



72.0051, 57.9761, 45.4310



41.2833, 57.9761, 44.2236



41.0799, 57.9761, 84.9059

Sweetspot

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



71.7116, 57.9785, 86.7690



87.2954, 85.8753, 102.0470



55.5450, 49.3082, 101.1976



18.4341, 17.9266, 21.6135



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.



71.7116, 57.9785, 86.7690



68.0474, 51.5732, 82.7014



66.5734, 55.9232, 59.7118



18.5973, 18.2222, 21.7627



26.7237, 13.1788, 28.2589



2.6443, 1.3001, 2.9742

Inverse Universe

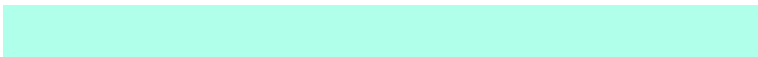
The Inverse Universe completely reimagines the original color for something new.



71.7116, 57.9785, 86.7690



68.0474, 51.5732, 82.7014



68.2442, 86.5561, 90.7024



18.5973, 18.2222, 21.7627



26.7237, 13.1788, 28.2589



2.6443, 1.3001, 2.9742

Previews

White Background



This preview shows how the XYZ color 71.7103, 57.9761, 86.7678 looks on a white background.

Color Contrast Check

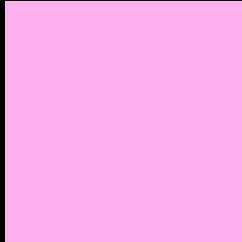
Large Text (above 18pt) WCAG AA × Fail

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 71.7103, 57.9761, 86.7678 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

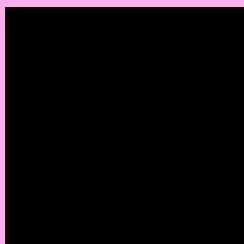
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 71.7103, 57.9761, 86.7678

Background



This preview shows how black text looks on a background with the XYZ color 71.7103, 57.9761, 86.7678.



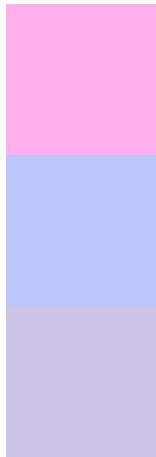
This preview shows how white text looks on a background with the XYZ color 71.7103, 57.9761,

86.7678.

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

71.7103, 57.9761, 86.7678

Protanopia

58.7331, 58.5665, 100.3044

Deuteranopia

59.4823, 58.2852, 84.4590



Tritanopia

66.1161, 57.7654, 59.8897

Trichromacy



Original Color

71.7103, 57.9761, 86.7678



Protanomaly

62.1994, 57.4778, 95.0048



Deuteranomaly

63.1226, 57.5376, 84.8697



Tritanomaly

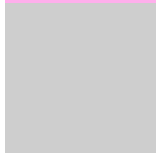
68.0229, 57.6388, 69.1682

Monochromacy



Original Color

71.7103, 57.9761, 86.7678



Achromatopsia

58.6655, 61.7207, 67.2138



Achromatomaly

62.7800, 59.8873, 73.8962

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.7103, 57.9761, 86.7678 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, 175, 236)` looks like.

```
.text, #text, p{  
    color:rgb(255, 175, 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, 175, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 175, 236) }
```

Border

The CSS property to change the border of an element to XYZ 71.7103, 57.9761, 86.7678 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, 175, 236) }
```


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

```
.border{ border-color:rgb(255, 175, 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, 175, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 175, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 175, 236);  
box-shadow:4px 4px 4px 4px rgb(255, 175,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 71.7103, 57.9761, 86.7678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 175, 236) }
```

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

```
.background{ background-color: rgb(255,  
175, 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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